

20020912.qrp v02_n676.qrl.20020912

Date: Thu, 12 Sep 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2676

QRP-L Digest 2676

Topics covered in this issue include:

- 1) [134752] Re: Signals on 5757 Khz
by "Brian" <brian@iquest.net>
- 2) [134753] Re: OT Firewall goodness
by "Brian" <brian@iquest.net>
- 3) [134754] Re: Next Generation QRP equipment development
by W2AGN <w2agn@w2agn.net>
- 4) [134755] Re: Why, Indeed, use QRP? (was Yeah, but...)
by "Jeff Mitchell" <jeffmit@datastratinc.com>
- 5) [134756] K4P & Maui
by Edgar R Guillot <n5ed@juno.com>
- 6) [134757] OT: To Laura - Don't Have Your Email Address Sorry
by "Tom Curtola" <tcurtola@rogers.com>
- 7) [134758] Re: THANKS FOR URL DATA
by Tom Feeny <tfeeny@comcast.net>
- 8) [134759] Re: Pacificon Rooms
by "Bob Tellefsen" <n6wg@earthlink.net>
- 9) [134760] Re: Mitey Box Site
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 10) [134761] Re: To Laura - Don't Have Your Email Address Sorry
by "W2WU" <w2wurjj@verizon.net>
- 11) [134762] Re: crystal radio
by w4bws@juno.com
- 12) [134763] WWII & Number stations
by "W2WU" <w2wurjj@verizon.net>
- 13) [134764] Re: Re. Signals on 5757
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 14) [134765] Re: Bogus/infected e-mails
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 15) [134766] FEEDING ANTENNA ARRAYS
by Victor Dively <kg4htt@juno.com>
- 16) [134767] dedicated to Dave Benson- K1SWL
by "jerry brown" <jmbrown@edge.net>
- 17) [134768] Re: [Q] origin of term "IAMBIC"?
by Bruce Rattray <rattray@gpfn.sk.ca>
- 18) [134769] Re: Signals on 5757 Khz
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 19) [134770] Re: [Q] origin of term "IAMBIC"?

by Thom LaCosta <baltimoremd@baltimoremd.com>

20) [134771] My apologies
by "Brian" <brian@iquest.net>

21) [134772] Re: My apologies
by "Alan Fryer" <N3BJ@hotmail.com>

22) [134773] Rock-Mite-20 found in evening mail!
by "Bill, N4QA" <n4qa@hotmail.com>

23) [134774] Re: OT: Anyone have an up and running copy of Borland C++ Version 4.5 or better?
by "Rob Matherly" <w0jrm@arrl.net>

24) [134775] O-Scope Information
by "Benjamin F. Poinsett" <benmail@erols.com>

25) [134776] Dan's Small Parts
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>

26) [134777] Re: O-Scope Information
by "Michael Melland" <w9wis@charter.net>

27) [134778] FS Tuner
by IamSF5@aol.com

28) [134779] Re: O-Scope Information
by "Michael Melland" <w9wis@charter.net>

29) [134780] Re: [Q] origin of term "IAMBIC"?
by Ingo Meyer DK3RED <dk3red@gmx.net>

30) [134781] Re: My apologies
by Ed Tanton <n4xy@earthlink.net>

31) [134782] Re: Bogus/infected e-mails
by Ed Tanton <n4xy@earthlink.net>

32) [134783] Doug Hauff American Morse
by "Jerry Parker" <qrprradio@charter.net>

33) [134784] Rock Mite mods
by "Thaire Bryant" <w2apf@attbi.com>

34) [134785] Re: Bogus/infected e-mails
by Thom LaCosta <baltimoremd@baltimoremd.com>

35) [134786] Re: My apologies
by "Dennis Ponsness" <wb0wao@hotmail.com>

36) [134787] Re: Rock Mite mods
by "Rod N0RC" <rod@n0rc.us>

37) [134788] for sale
by "The Whites" <lwnphx@peoplepc.com>

38) [134789] Re: QRP v. QRO
by "WB2TLQ" <WB2TLQ@amsat.org>

39) [134790] Need (copy of) Yaesu FT-7 Manual
by "Jim" <ku4qw@yahoo.com>

40) [134791] Re: Next Generation QRP equipment development
by Bruce Muscolino <w6toy@erols.com>

41) [134792] Re: Vacation time!
by Edgar R Guillot <n5ed@juno.com>

42) [134793] Origin of IAMBIC
by NA1XX@aol.com

- 43) [134794] WTB: S&S Engineering ARK-4
by "Alan Fryer" <N3BJ@hotmail.com>
- 44) [134795] Re: Why, Indeed, use QRP? (was Yeah, but...)
by "Jim Stamper" <jstamper@shentel.net>
- 45) [134796] Re: Next Generation QRP equipment development
by Haines Brown <brownh@hartford-hwp.com>
- 46) [134797] Re: OT Firewall goodness
by Haines Brown <brownh@hartford-hwp.com>
- 47) [134798] CW - HF radio - RANdomCodeS . . .Re: My apologies
by John R Kirby <n3aaz-qrp@juno.com>
- 48) [134799] next generation qrp equipment development
by Bill ROWLETT <kc4atu@yahoo.com>
- 49) [134800] HW-9 repairman needed
by Mike Czuhajewski <wa8mcq@comcast.net>
- 50) [134801] keyer in Icom 706mk2g
by ik7565@erols.com
- 51) [134802] Re: Next Generation QRP equipment development
by Mike <mmorrow@companet.net>
- 52) [134803] RE: FEEDING ANTENNA ARRAYS
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 53) [134804] Re: Next Generation QRP equipment development
by W2AGN <w2agn@w2agn.net>
- 54) [134805] Re: FEEDING ANTENNA ARRAYS
by "dan wanchic" <wa8vzq@cloudnet.com>
- 55) [134806] Re: FEEDING ANTENNA ARRAYS
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 56) [134807] Re: FEEDING ANTENNA ARRAYS
by "ss lyon" <sslyon@megalink.net>
- 57) [134808] Re: next generation qrp equipment development
by "Jeff Davis" <ke9v@att.net>
- 58) [134809] K2
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 59) [134810] Re: keyer in Icom 706mk2g
by "Dave Ek" <ekdave@earthlink.net>
- 60) [134811] RE: FEEDING ANTENNA ARRAYS
by "AI2Q Alex" <ai2q@adelphia.net>
- 61) [134812] WTB - Rainbow Tuner
by JLeroy@automationdirect.com
- 62) [134813] FS: KSB2 SSB option complete and assembled
by "David E. Shelton" <n4in@iolky.com>
- 63) [134814] RE: KSB2 SSB option complete and assembled
by "David E. Shelton" <n4in@iolky.com>
- 64) [134815] 14.100 etc beacon system
by Bruce Rattray <rattray@gpfn.sk.ca>
- 65) [134816] Re: next generation qrp equipment development
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 66) [134817] RE: FEEDING ANTENNA ARRAYS
by William R Colbert <w5xe@juno.com>

- 67) [134818] Re: FEEDING ANTENNA ARRAYS
by "ss lyon" <sslyon@megalink.net>
- 68) [134819] Software Upgrades for Radios
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 69) [134820] Re: Origin of IAMBIC
by "Charles Mabbott" <aa8vs@msn.com>
- 70) [134821] Re: 14.100 etc beacon system
by "Karl F. Larsen" <k5di@zianet.com>
- 71) [134822] Ten-Tec's new Argonaut V?
by "Rod N0RC" <rod@n0rc.us>
- 72) [134823] RE: 14.100 etc beacon system
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 73) [134824] My first contact....well, sort of
by Alex <kr1st@amsat.org>
- 74) [134825] Re: Ten-Tec's new Argonaut V?
by Patrick Gardella <pgardella@yahoo.com>
- 75) [134826] RE: Ten-Tec's new Argonaut V?
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 76) [134827] Re: Ten-Tec's new Argonaut V?
by "Rod N0RC" <rod@n0rc.us>
- 77) [134828] RE: Ten-Tec's new Argonaut V?
by Mark Schoonover <schoon@amgt.com>
- 78) [134829] RE: Ten-Tec's new Argonaut V?
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 79) [134830] Re: Ten-Tec's new Argonaut V?
by "Rod N0RC" <rod@n0rc.us>
- 80) [134831] Re: Ten-Tec's new Argonaut V?
by Alex <kr1st@amsat.org>
- 81) [134832] Re: FEEDING ANTENNA ARRAYS - parting comments
by "dan wanchic" <wa8vzq@cloudnet.com>
- 82) [134833] Re: 14.100 etc beacon system
by "Jerry McCollom W0MC" <w0mc@radioactivehams.com>
- 83) [134834] Re: Ten-Tec's new Argonaut V?
by David Hinerman <WD8CIV@worldnet.att.net>
- 84) [134835] Re: Ten-Tec's new Argonaut V?
by "Winston F. Jones" <winjones@ix.netcom.com>
- 85) [134836] OT: ARRL Polls
by Alex <kr1st@amsat.org>
- 86) [134837] Re: Ten-Tec's new Argonaut V?
by David Hinerman <WD8CIV@worldnet.att.net>
- 87) [134838] Re: OT: ARRL Polls
by David Hinerman <WD8CIV@worldnet.att.net>
- 88) [134839] Re: FEEDING ANTENNA ARRAYS - parting comments
by William R Colbert <w5xe@juno.com>
- 89) [134840] QRP+_QRP++ eprom project update
by ve3ab@mail.mondenet.com
- 90) [134841] Re: 14.100 etc beacon system
by W2AGN <w2agn@w2agn.net>

- 91) [134842] New QRP Test Equipment and Construction Book
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 92) [134843] Flagpole antenna?
by "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>
- 93) [134844] OT: DSP discussion - Civil discourse.
by Dennis Doran <wb8wtu@yahoo.com>
- 94) [134845] Re: Ten-Tec's new Argonaut V?
by "Karl F. Larsen" <k5di@zianet.com>
- 95) [134846] Re: DSP discussion - Civil discourse.
by "Rod N0RC" <rod@n0rc.us>
- 96) [134847] Re: DSP discussion - Civil discourse.
by "Jeff Mitchell" <jeffmit@datastratinc.com>
- 97) [134848] Re: Ten-Tec's new Argonaut V?
by W2AGN <w2agn@w2agn.net>
- 98) [134849] Wanted to buy...Knob
by N4SKS@cs.com
- 99) [134850] HF Pin Diodes aka Current Resistors
by "w8diz" <w8diz@fpqrp.com>

Date: Wed, 11 Sep 2002 18:04:00 -0500
From: "Brian" <brian@iquest.net>
To: <w8diz@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134752] Re: Signals on 5757 Khz
Message-ID: <007901c259e7\$8442e850\$a9632bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Diz...tell Scotty TWO to beam up.

----- Original Message -----

From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 11, 2002 5:02 PM
Subject: Re: Signals on 5757 Khz

> Beam me up Scotty.....
>
> This email has an RST of 099
>
> -Diz
>

>
>
>

Date: Wed, 11 Sep 2002 19:07:25 -0400
From: W2AGN <w2agn@w2agn.net>
To: Alex <aturner13@triad.rr.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134754] Re: Next Generation QRP equipment development
Message-ID: <3D7F946D.27718.29DBF2A1@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 11 Sep 2002 at 18:34, Alex wrote:

> W2AGN
>
> I really think that on this day of all days you owe an apology to
> Fundamentalists Baptists. To include a Christian group in with Islamic
> terrorists is very sad. This does not belong in the posts of this group. I
> guess you were trying to be funny, but like many of your remarks there is
> little humor in it.
>
> Alex N4BYJ

Unfortunately, Fundamentalist extremists of any flavor are just that, extremists.
Your automatically classing "Islamic Imams" (which are their equivalent of
"preachers.") as
"Islamic Terrorists," shows your narrow minded attitude toward all that do not
believe as you do. I detest the terrorists as much as anyone, but it is the
attitude of
"everyone that doesn't believe as I do is going to Hell," whether in the name of
God, Christ, Thor or Allah, that I object to. Fundamentalists, whether Moslem,
Christian,
Hindu or whatever, teach hate and intolerance.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB

Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Wed, 11 Sep 2002 18:11:22 -0500
From: "Jeff Mitchell" <jeffmit@datastratinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134755] Re: Why, Indeed, use QRP? (was Yeah, but...)
Message-ID: <007401c259e8\$8c6e0360\$6501a8c0@datastratinc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm new to QRP, and well, I'm not ready to throw my Henry in the trash or abandon any of my UHF and VHF amplifier building projects...but...I'm dropping out of the high power class this contest season for a couple of reasons and I'm opting for QRP portable.

1. I had a FANTASTIC time getting outside this summer and scouting out locations which would be good to operate from. I'm a computer nerd and don't get to see sunlight nearly enough!
2. I've really enjoyed the technical aspects of planning details of the operations...antennas, batteries, contact logging/scoring, etc.. That is alot of the reason I enjoy contesting...its the planning and then the execution...

Let's face it, I don't have the resources redesign my home station for each contest...it is what it is...a tri-band yagi at 45 ft plus various cloud warming low wires for the low bands...throw the switch on the amp and hope 1200 watts cures a multitude of compromises...there is not alot I can do but add another 60 ft of tower and stack monoband yagis...while I would enjoy the heck out of that, its just not in the budget.

Operating QRP portable has really put even more thrill into contesting for me... It is a really fun challenge to make the most of a portable station in a contest setting. If I try something that dosen't work in one of these contests, well, part of the fun is the analysis of why it didn't work well, and making it better next time... I don't have that freedom from the QTH at this point in my life...

72/73 See yall in QRP Afield
Jeff, N4YQ

----- Original Message -----
From: "Lloyd Lachow" <llachow@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, September 11, 2002 3:19 PM
Subject: Why, Indeed, use QRP? (was Yeah, but...)

> Mike, you wrote:
>
> So why use QRP? Only one reason, IMO: To facilitate
> portable
> operation.
>
> Hows about this:
>
> For those of us who get a thrill out of "playing
> radio" (most, I suspect...), making a contact with the
> Maldives, South Africa, Rio, etc., etc., might just be
> more thrilling with 5W or less.
> Is it fun to contact DX, or to ragchew, using a KW
> and a multi-element array at 120'? I bet it is. But to
> do those things with a peanutwhistle, especially one
> you can build or modify yourself, adds to the thrill.
> For me. And for some others. IMO.
>
> =====
> 73, Lloyd, K3ESE
> K1 # 00379 - ARRL
> ARS #1301 - FISTS #8774
> FPqrp #476 - QRParci #11147
> QRP-L #2415 - SOC #530
> HGT #6'1 - Wgt #190 - BT #B-
>
> -----
> Yahoo! - We Remember
> 9-11: A tribute to the more than 3,000 lives lost
> <http://dir.remember.yahoo.com/tribute>
>

Date: Wed, 11 Sep 2002 18:09:58 -0500
From: Edgar R Guillot <n5ed@juno.com>
To: qrp-l@lehigh.edu
Subject: [134756] K4P & Maui
Message-ID: <20020911.180958.224.2.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nailed K4P on 40M utc Wednesday at 07:18 on 7.02Mhz.

>From ARRL: Deanna Lutz, K7DID, reports that special event station K4P will operate from the Pentagon and other Washington, DC-area sites September 11 and 12. QSL with an SASE to K7DID, PO Box 70071, Washington, DC 20024.

Maui beacon on 282102Mhz is loud.
N5Ed Guillot
near New Orleans

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<http://dl.www.juno.com/get/web/>.

Date: Wed, 11 Sep 2002 19:20:12 -0400
From: "Tom Curtola" <tcurtola@rogers.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134757] OT: To Laura - Don't Have Your Email Address Sorry
Message-ID: <003d01c259e9\$c7af4640\$f44a9c18@bloor.phub.net.cable.rogers.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Laura,

I know you have just re-joined the list and already those so called "macho misogynist intelligentsia" are attacking you in public. What is with some of these men on the list? Can they not accept a woman having a technical opinion? Must they constantly publicly piss on your every word in much the same way an animal marks its territory? Is your, being a woman, a threat to them in matters of math and science?

If they have a problem with some of the facts you have made why not e-mail you privately and discuss it with you? An action I'm sure they would afford one of their fellow "fellows." Especially when it comes to a matter that is Off Topic (OT). Why must they respond to the whole list? They don't even address you in the first person, as if they don't want to acknowledge you. When they use the email format; >Laura said, or >Laura wrote, or >in an email by Laura... etc.... they sound like a little child squealing to

their mother about something another sibling did.

I notice the language some of the technical "alpha-males" use with you is definitely different than that which they would use with their confreres. There is an appearance of one-uppity when corresponding with or about you. As if there was a point to prove you wrong or challenge your every word. A type of hyper criticality which comes across impart, due to your gender and not so much on the subject at hand.

I can only imagine what you had to go through to get the education you have, in this male dominated field.

Just my opinion and a sense of how I see things...

Tom Curtola
VA3TY

Date: Wed, 11 Sep 2002 19:51:28 -0400
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@lehigh.edu>
Subject: [134758] Re: THANKS FOR URL DATA
Message-ID: <001001c259ee\$27126280\$865d2044@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Darn. They musta answered off list. I wanted it too.
Tom

> I'd like to thank all who responded to my spynumbers URL request.
> Had a great response! 73, Ron W2WU

Date: Wed, 11 Sep 2002 17:05:44 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [134759] Re: Pacificon Rooms
Message-ID: <MABBJ0EAB0ILMKCJCLFCIEFCDJAA.n6wg@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used my AAA membership when I made my reservation. I learned this last year at Pacificon, and used the info this year. The savings will cover all my meals for the day :-)
73, Bob N6WG

Date: Wed, 11 Sep 2002 20:09:59 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Doug Hauff <dhauff@digitalputty.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134760] Re: Mitey Box Site
Message-ID: <20020911200317.R62978-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 10 Sep 2002, Doug Hauff wrote:

>
> Hi Patrick,
>
> I have heard a lot of bad stuff from different sources about Paypal; the
> lady at my bank rolled her eyes and said don't touch 'em...plus Paypal will
> nick me for a charge with every transaction, c2it is free...

But did the bank lady say why not to touch them? I use paypal to accept payments for my hosting business and to make auction payments. My banker agreed with me...I set up a seperate checking account for the online business and do a daily sweep into my other one...so it's pretty safe.

The only problem I've had is with customers out of the country...it takes a while longer for them to set up a paypal account.

How well accepted is C2it? How many of your customers have an account?
How easy is it to get a C2it account?

Let's see, I believe Palpay "nicks" me for right around 2 percent per transaction...which is bery low compared to the "non-store-front" charges assessed by "regular" banks.

Thom
www.tlchost.net

Date: Wed, 11 Sep 2002 20:00:27 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <tcurtola@rogers.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134761] Re: To Laura - Don't Have Your Email Address Sorry
Message-ID: <000301c259f0\$f7cc9c40\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom:
We'd be lost w/o women such as Laura. Apparently certain members are
intimidated/or electronically emasculated when the female gender asserts
intelligence & logical thought.

----- Original Message -----

From: Tom Curtola <tcurtola@rogers.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 11 September, 2002 19:20
Subject: OT: To Laura - Don't Have Your Email Address Sorry

> Laura,
>
> I know you have just re-joined the list and already those so called "macho
misogynist intelligentsia" are attacking you in public.
> What is with some of these men on the list? Can they not accept a woman
having a technical opinion? Must they constantly publicly
> piss on your every word in much the same way an animal marks its
territory? Is your, being a woman, a threat to them in matters of
> math and science?
>
> If they have a problem with some of the facts you have made why not e-mail
you privately and discuss it with you? An action I'm
> sure they would afford one of their fellow "fellows." Especially when it
comes to a matter that is Off Topic (OT). Why must they
> respond to the whole list? They don't even address you in the first
person, as if they don't want to acknowledge you. When they
> use the email format; >Laura said, or >Laura wrote, or >in an email by
Laura... etc.... they sound like a little child squealing to
> their mother about something another sibling did.
>
> I notice the language some of the technical "alpha-males" use with you is
definitely different than that which they would use with

> their confreres. There is an appearance of one-uppity when corresponding with or about you. As if there was a point to prove you
> wrong or challenge your every word. A type of hyper criticality which comes across impart, due to your gender and not so much on
> the subject at hand.
>
> I can only imagine what you had to go through to get the education you have, in this male dominated field.
>
> Just my opinion and a sense of how I see things...
>
> Tom Curtola
> VA3TY
>
>

Date: Wed, 11 Sep 2002 20:32:13 -0400
From: w4bws@juno.com
To: k5ubs@juno.com
Cc: qrp-l@lehigh.edu
Subject: [134762] Re: crystal radio
Message-ID: <20020911.203234.-549381.0.W4BWS@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yes and I still have mine operational with 2 coils. It was a kit made by Meissner I believe and advertised in Boy's Life Magazine. The cardboard it came in was punched out to make the cabinet for the radio. Copied many foreign broadcast and ham signals on it laying in bed at nite.

Some time ago there was an offer from a list member for 5763 tubes. My harddrive crash lost the e-mail and I would like to get two for a qrp transmitter. If that fellow or someone else has a couple i would be interested.
Don W4BWS

On Thu, 15 Aug 2002 20:45:03 -0500 Oscar A Hoyt <k5ubs@juno.com> writes:
> 1st crystal radio... my Dad built it for me when I was in about the
> 3rd or 4th grade, a few decades ago. Build many myself after that.
> SNIP<
> DOES anyone remember a Boyscout two tube kit, regen, that used two
> 3v4's, 90 volt B supply. Mounted to a plywood base with fhanstock clips.

> From the early 50's, back when I didn't save everything.
> Oscar Hoyt, ham since '55, K2 # 2264, ARRL, QCWA, QRP-L 1733,
> ARCI, NORCAL, SOC # 303 303
>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
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> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/web/>.
>

Date: Wed, 11 Sep 2002 20:24:15 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <Cwkmail@aol.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134763] WWII & Number stations
Message-ID: <002601c259f2\$befe74e0\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: W2WU <w2wurjj@verizon.net>
To: <Cwkmail@aol.com>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: 11 September, 2002 20:10
Subject: WWII & Number stations

The United States used subcarrier or carrier shift in WW II. U.S.Site on
East coast used Super

> Pro receivers detecting 1 Hz. shift. Relays of intel data transmitted
> effectively. 73, Ron W2WU

> ----- Original Message -----

> From: <Cwkmail@aol.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: 11 September, 2002 18:56
> Subject: Number-reading Stations

>

>

> >

> > The random-number number sequences that you hear on number-reading
> > stations merely announce that a transmission is in progress. The real

> > message is hidden on a subcarrier in the signal. Here's a quote from
> Donald
> > W. Schimmel's "The Underground Frequency Guide" (3rd edition) [Solana
> Beach,
> > CA: High Text Publications, Inc., 1994] pages 27 - 28:
> >
> > "One promising avenue of investigation involves the use of spectrum
> > analyzers to display the spectra of number stations transmissions. This
> > is
> > an area pioneered by John Fulford, WA4VPY. He uses a Cushman CE-15
> > spectrum
> > analyzer and feeds it the intermediate frequency of his receiver. John
> > has
> > made several fascinating discoveries as a result of spending numerous
> > hours
> > monitoring number signal transmissions with this arrangement. For
> > example,
> > while monitoring four-digit Spanish transmissions on 6840 kHz, John
> > discovered that a data burst is sent each 15 minutes with some
> > transmissions.
> > He has also determined that at least one other carrier is present on
> > some
> > frequencies when a numbers transmission is being made; the second
> > carrier
> > is
> > so close in frequency to the numbers station that no heterodyne is heard
> > on
> > the channel. Further spectrum analysis has produced some evidence of
> > subaudible tones being sent on some numbers transmissions (usually of
> > the
> > four-digit variety) and also of phase-shifting of the carrier in order
> > to
> > transmit data in binary format."
> >
> > 73 de,
> >
> > Chris Kirk, NV1E
> > Shrewsbury, Mass.
> >
> >
>
>

Date: Wed, 11 Sep 2002 20:22:46 -0400 (EDT)

From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Mike <mmorrow@companet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134764] Re: Re. Signals on 5757
Message-ID: <20020911201915.H62978-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Sep 2002, Mike wrote:

> William R Colbert wrote:
> Unfortunately, that can DEFINITELY be ruled out. All US MARS systems
> totally ****BANNED**** the use of Morse several years ago on ANY circuit for
> ANY reason.

I always enjoyed MARS cw operation...the discipline and ops were great.
When MARS banned cw, I lost all motivation to rejoin.

thom
k3hrn

Date: Wed, 11 Sep 2002 20:27:33 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Ed Tanton <n4xy@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134765] Re: Bogus/infected e-mails
Message-ID: <20020911202555.062978-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Sep 2002, Ed Tanton wrote:

> You know, a simple law that would not affect Internet marketing in any
> significant manner, would be to make it a felony/Federal crime to use a
> phony address on an email. Might liven up this spam and virus problem.

Let's see...if I do a good enough job in masking my address and making my
spam look like you sent it, then I'd not get caught and you'd get
arrested.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon

<http://www.zerobeat.net>

Home of The QRP Web Ring
and Drake Mail List Pages

Date: Wed, 11 Sep 2002 01:30:23 -0400
From: Victor Dively <kg4htt@juno.com>
To: qrp-l@lehigh.edu
Subject: [134766] FEEDING ANTENNA ARRAYS
Message-ID: <20020911.013026.-180187.1.kg4htt@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Loop antenna redux:

Well, I've installed the four loop antennas in the townhouse attic and have a "temporary" feedline arrangement set up... I've measured the resonant frequency and impedance of each of the loops individually, and the group fed as an array. The resonant frequency as an array is almost identical to the resonant frequency for the individual loops.

Three of the loops are within .04MHz at resonance; one is off by .4MHz - I suspect due to the fact that the furnace exhaust pipe passes within 6 inches of that loop... nothing I can do about that. Which has made me wonder... for an array to work (I think) that all antennas must be receiving equal amounts of current. But the current will likely flow largely to the path of least resistance... so how do you ensure that all antennas in an array are receiving equal amounts of current? I'm sure this same problem exists with vertical arrays... after all, how closely can any two (or four) antennas have identical impedance over a range of frequencies? Any information on this topic, or pointers to sources of information on this topic would be appreciated.

I've also submitted this question to the cq-contest reflector, as there are likely many testers with experience using antenna arrays...

Thanks and 73,

Vic KG4HTT

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<http://dl.www.juno.com/get/web/>.

Date: Wed, 11 Sep 2002 19:39:40 -0500
From: "jerry brown" <jmbrown@edge.net>
To: <qrp-1@lehigh.edu>
Subject: [134767] dedicated to Dave Benson- K1SWL
Message-ID: <001301c259f4\$e44032a0\$5a34fad1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

my rendition of a popular song here in Tennessee,
with the same music and with apologies to the
original writers of "Rocky Top"- Boudleaux and Felice Bryant

***dedicated to Dave Benson, a tribute to his exceptional
character and genius...

to get into the mood you'll need to listen to the "Rocky Top"
MIDI from the webpage "Official Song of the State of Tennessee"-

www.50states.com/songs/tenn5.htm

Chorus:

Rock(y)-Mite, you'll always be
G-r-e-a-t QRP for me;
Good ol' Rock(y)-Mite;
Rock(y)-Mite QRP;
Rock(y)-Mite QRP.

ROCK(Y)-MITE (A QRP TUNE)

Wish I was on the air- Rock(y)-Mite,
Working QRP from the hills;
Ain't no glowin' finals in Rock(y)-Mite,
Ain't no 'lectric bills

Once I worked a YL with my Rock(y)-Mite,
Half a watt- nothin' more;
Swell fist- Q5 copy,
These are the times I adore

Once two hams climbed with Rock(y)-Mites,
On a mountain lookin' for a faraway land;
Two hams still operating with Rock(y)-Mites,

Oh, the miles they've spanned

Big DX with my Rock(y)-Mite,
What an eternal thrill;
Antenna hooked to my Rock(y)-Mite,
That'll fill the bill

Gettin' away from crowded city life,
Takin' my Rock(y)-Mite to the hills;
QRPing with my Rock(y)-Mite,
Better than medical bills.

Thanks again Dave,

Jerry Brown N4EO
507 Rocky Top Dr
Columbia, TN 38401

P.S. Best DX with Rock-Mite so far of 7500 miles
with Alex ZL4IE (aged 91), Dunedin, South Island,
New Zealand- 20 meters 9 Sep 2002.

My youngest dog (of three)- he's "Rocky," too!

I have no musical talent...I'll leave the rest to all
you Blue Grass, banjo pickin' QRP types. 72

Date: Wed, 11 Sep 2002 18:31:42 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: David Hinerman <WD8CIV@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134768] Re: [Q] origin of term "IAMBIC"?
Message-ID: <Pine.LNX.4.33.0209111830480.29493-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

so what are iambs?...is a "dit" and/or a "dah" an iamb?

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 11 Sep 2002 20:35:17 -0400
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
marsgal42@hotmail.com
Subject: [134769] Re: Signals on 5757 Khz
Message-ID: <3D7FA905.17609.850F1F@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Welcome back Laura!!!

On 11 Sep 2002 at 13:34, laura halliday wrote:

> Frank AB2KT/VE7 wrote:
>
> >Anymore, the pads themselves would be made up by programs
> >using pseudo-random number generators,
>

Date: Wed, 11 Sep 2002 20:42:56 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134770] Re: [Q] origin of term "IAMBIC"?
Message-ID: <20020911204220.P62978-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Sep 2002, Bruce Rattray wrote:

>
> so what are iambs?...is a "dit" and/or a "dah" an iamb?

Actually, it's the space between any of them.

Thom

baltimoremd@baltimoremd.com
http://www.baltimoremd.com/
http://www.baltimorehon.com/
http://www.zerobeat.net

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Wed, 11 Sep 2002 19:58:41 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134771] My apologies
Message-ID: <010b01c259f7\$89def640\$a9632bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear List,

I would like to apologize for the bandwidth being burned up by my post regarding an alleged "spy" station on 5757 LSB the other night. It was 09/11 GMT and I thought it was a bit odd....but apparently I am just an ignorant peon.

I have learned a lot about numbers stations, utes, and crypto stations in the last 24 hours. I am now not quite so ignorant.

Time for the Flying Pig net...7047 - be there or be square

73 de KB9BVN

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Wed, 11 Sep 2002 21:09:15 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: <brian@iquest.net>
Cc: <qrp-1@lehigh.edu>
Subject: [134772] Re: My apologies
Message-ID: <0E170TkYtVjUQtXvX0C000012d9@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian

A lot of us learned something. The only ignorant question is one that is not asked in sincerety.

Have a good one.

Alan, N3BJ
Bent Mountain, VA

----- Original Message -----

From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 11, 2002 8:58 PM
Subject: My apologies

> Dear List,
>
> I would like to apologize for the bandwidth being burned up by my post
> regarding an alleged "spy" station on 5757 LSB the other night. It
> was 09/11 GMT and I thought it was a bit odd....but apparently I am
> just an ignorant peon.
>
> I have learned a lot about numbers stations, utes, and crypto stations
> in the last 24 hours. I am now not quite so ignorant.
>
> Time for the Flying Pig net...7047 - be there or be square
>
> 73 de KB9BVN
>
>

> =====
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> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>

Date: Wed, 11 Sep 2002 21:31:34 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [134773] Rock-Mite-20 found in evening mail!
Message-ID: <F28mZ4pVDKctgVy5RHi0000455b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Fellas, I gotta tell ya...this is the way I like doing business...

Gave in to new-rig lust on Saturday, clicked the mouse a few times...
Next thing I know, it's Wednesday and there's the little critter, lurking in
the rural mailbox out to the blacktop road 'bout quarter-mile from the
house!

Just finished inventoryin' the little pieces parts (yep, it's all in there)
and placin' 'em in four little plastic drawers...even the circuit board fit
easily into one!

Now, I thot the DSW-series was cute but, this li'l Rock-Mite, well, it's
just DARLIN'!

Will probably wait 'til the weekend to put the thang together...
This may be my most fa-vo-rite toy yit!

See y'all on oh-sixty!(eh, more or less)

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

ps

Due to spam countermeasures, I see responses via this list's archives and
via personal contacts list only.

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 11 Sep 2002 20:25:23 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: <n7nt@interwrx.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134774] Re: OT: Anyone have an up and running copy of Borland C++
Version 4.5 or better?
Message-ID: <006501c259fc\$10454140\$9311a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

(Assuming this already hasn't been posted...)

Go to (I think) <http://www.borland.com> (or whatever their website is). Then you go through the steps of joining what I think is called their "developer's community". After that you can get the latest version of their compiler (I have 5-something installed on a CD here but never use it), or older versions. I got version two there like what was mentioned a few months back.

I'd probably have more fun with them if I knew what in the &*\$^ I was doing, lol

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----

From: Richard Kendrick <n7nt@interwrx.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 11, 2002 4:22 PM
Subject: Re: OT: Anyone have an up and running copy of Borland C++ Version 4.5 or better?

Ed,

I think you might be able to get an older version of Borlands TurboC free from their website. One of my college professors said last week

in a lecture that TurboC 2.0 was free for downloading. I don't know the url offhand but it shouldn't be too hard to find.

Richard Kendrick N7NT

Hare,Ed, W1RFI wrote:

>

> I have a bit of C written for Borland C++ that I need someone to compile. The code is an example file from Ines (a German mfg of ADC cards), so someone pretty good with C++ might be needed. I am a hack C programmer whose C code ends up looking a LOT like Apple II+ Basic. :-)

>

> It will be for the greater good of Amateur Radio. I want to use the program as part of a bit of software to use a PC w/ soundcard, a ham receiver and an attenuator to measure noise levels.

>

> Sorry for the OT post, but I wanted to check with my friends here first! If you can help, let me know and I will send you a zip of the source and libraries, etc.

>

> 73,

> Ed Hare, W1RFI

> ARRL Lab

> 225 Main St

> Newington, CT 06111

> Tel: 860-594-0318

> Internet: w1rfi@arrl.org

> Web: <http://www.arrl.org/tis>

>

>(Assuming this already hasn't been posted...)

Go to (I think) <http://www.borland.com> (or whatever their website is). Then you go through the steps of joining what I think is called their "developer's community". After that you can you can get the latest version of their compiler (I have 5-something installed on a CD here but never use it), or older versions. I got version two there like what was mentioned a few months back.

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72/73/oo

Rob, w0jrm

=====

Visit my website! <http://www.qsl.net/w0jrm>

=====

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From: Richard Kendrick <n7nt@interwrx.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, September 11, 2002 4:22 PM

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>

> 73,

> Ed Hare, W1RFI

> ARRL Lab

> 225 Main St

> Newington, CT 06111

> Tel: 860-594-0318

> Internet: w1rfi@arrl.org

> Web: <http://www.arrl.org/tis>

>

>

Date: Tue, 10 Sep 2002 21:41:21 -0700

From: "Benjamin F. Poinsett" <benmail@erols.com>

To: qrp-1@lehigh.edu, benmail@erols.com
Subject: [134775] O-Scope Information
Message-ID: <3D7EC970.64E8DD29@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

A while back I saw an e-mail about an outfit (Coppes Enterprises) that sold used oscilloscopes. I lost the "contact" information for this company.

Does anybody know if this company is still in business and how to contact them?

I'm looking for a small portable 'scope, i.e., Tektronix 2335 or similar.

Thanks for any info.

72 & 73,

Ben, K3BP

Date: Wed, 11 Sep 2002 22:00:38 -0400
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [134776] Dan's Small Parts
Message-ID: <3D7FBD06.31559.D33247@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Thanks to everyone for the helpful info Dan's.

Will probably get an order together within the next week.

Henry

Date: Wed, 11 Sep 2002 21:26:56 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <benmail@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134777] Re: O-Scope Information
Message-ID: <001f01c25a03\$df5cd540\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> A while back I saw an e-mail about an outfit (Coppes Enterprises)

Coppes Enterprises
3518 N Pellegrino Dr
Tucson AZ 85749

Lew Coppes
cla15@qwest.net

(520) 749-8417 (work)
(520) 270-1427 (cell)

Mike, W9WIS

Date: Wed, 11 Sep 2002 22:25:41 EDT
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [134778] FS Tuner
Message-ID: <d0.2cf19c56.2ab15525@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I gang,
I have a MFJ model 941-E tuner for sale.
Has a dual needle meter with built in light.
Tunes coax and balanced line through the tuner or direct.
Only use here for QRP use and never opened.
Beautiful condition and looks factory new.
Price is \$75.00 + shipping.
Can send PIC if needed.
Thanks.
Bob
AF2Q

Date: Wed, 11 Sep 2002 21:39:13 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134779] Re: O-Scope Information
Message-ID: <002b01c25a05\$955c84c0\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Lew Coppes
> cla15@qwest.net

or lcoppes@fastucson.net can't remember which is his new one but I think
it's this one.

Mike, W9WIS

Date: Thu, 12 Sep 2002 04:35:55 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@lehigh.edu
Subject: [134780] Re: [Q] origin of term "IAMBIC"?
Message-ID: <5.1.1.6.1.20020912043233.00a12d00@pop.gmx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Ken,

>What in the world is the origin of the term "IAMBIC" for keyers? from a Google
>search I see that "Shakespeare used a form of verse called blank verse, iambic
>pentameter." doesn't have anything to do with that, does it?

A QRP buddy says the word comes from the Latin word "Jambus".
But don't ask me for a translation. ;o))

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Wed, 11 Sep 2002 22:52:27 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: brian@iquest.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134781] Re: My apologies
Message-ID: <5.1.1.6.2.20020911224938.027d06e0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

No way Brian. Honest question, plenty of answers... no problem. To me, the difference between 'not knowing' and 'ignorance' is in 'not caring' that you don't know. THAT's ignorance.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 11 Sep 2002 22:56:11 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134782] Re: Bogus/infected e-mails
Message-ID: <5.1.1.6.2.20020911225547.0272af80@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I do not believe that it is possible to totally and utterly mask your email address. Ask some of the child porn guys in jail now.

At 08:27 PM 2002-09-11, Thom LaCosta wrote:

>On Wed, 11 Sep 2002, Ed Tanton wrote:

>

> > You know, a simple law that would not affect Internet marketing in any

> > significant manner, would be to make it a felony/Federal crime to use a
> > phony address on an email. Might liven up this spam and virus problem.
>
>Let's see...if I do a good enough job in masking my address and making my
>spam look like you sent it, then I'd not get caught and you'd get
>arrested.
>
>Thom
>
>baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
><http://www.baltimoremd.com/> Baltimore's Home Page
><http://www.baltimorehon.com/> Home of the Baltimore Lexicon
><http://www.zerobeat.net> Home of The QRP Web Ring
> and Drake Mail List Pages

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 11 Sep 2002 20:20:00 -0700
From: "Jerry Parker" <qrpradio@charter.net>
To: <qrp-l@lehigh.edu>
Subject: [134783] Doug Hauff American Morse
Message-ID: <00af01c25a0b\$47616320\$d5f5cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dougs really cranking on his keys and boxes.

He went to send his customary update today

and found his computer now has the flu big time.

Sooooo, if you sent him email since last night please
resend it.

Doug asked me to let you know and pass his apologies
for any inconvenience.

I will not repeat what he had to say about the jerk who
wrote the virus his machine now has, you can guess.

He should be back up shortly.

72,,,Jerry...WA6OWR...k

Date: Wed, 11 Sep 2002 23:39:28 -0400
From: "Thaire Bryant" <w2apf@attbi.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134784] Rock Mite mods
Message-ID: <005801c25a0e\$000ba3c0\$f5aa5b18@ne2.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The sites for Rock- Mite mods (NORC) seem to be closed...any other links?

Date: Thu, 12 Sep 2002 00:04:31 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Ed Tanton <n4xy@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134785] Re: Bogus/infected e-mails
Message-ID: <20020912000235.074150-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Sep 2002, Ed Tanton wrote:

> I do not believe that it is possible to totally and utterly mask your email
> address. Ask some of the child porn guys in jail now.

I wouldn't argue with the guys in jail...but I do know, have seen and have
been blamed for email that appeared to come from a valid user on a valid
ip that never originated there.

thom

Date: Thu, 12 Sep 2002 04:09:07 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: brian@iquest.net, qrp-1@lehigh.edu
Subject: [134786] Re: My apologies
Message-ID: <F25b6KZmck8r6beUzmR000000310@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Brian,

You have nothing to apologize for. Interesting thread (for once) here.
Beats the heck outta the standard "flame wars" and etc. <grin>

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Wed, 11 Sep 2002 22:26:40 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <w2apf@attbi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134787] Re: Rock Mite mods

Message-ID: <003301c25a14\$98217350\$6601a8c0@BIGDOG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NO WAY!!! In fact I updated them today. Send me details __OFF LIST__
and let's see what we can figure out.

73, Rod N0RC
the Rock-Mite files
<http://www.radioactivehams.com/~n0rc/rm/>
<http://www.qsl.net/n0rc/rm/> (mirror)

----- Original Message -----

From: "Thaire Bryant" <w2apf@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 11, 2002 9:39 PM
Subject: Rock Mite mods

> The sites for Rock- Mite mods (N0RC) seem to be closed...any other
links?
>
>
>

Date: Wed, 11 Sep 2002 21:34:20 -0700
From: "The Whites" <lwnphx@peoplepc.com>
To: <qrp-l@lehigh.edu>
Subject: [134788] for sale
Message-ID: <MCBBJMGIFOPHPNEBDNMCEIPCDAA.lwnphx@peoplepc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I still have this item for sale, and the price includes shipping by Priority
mail.

Heathkit HWA-7-1 Power Supply

This is the matching power supply for the Heathkit HW-7 and, I think, the
HW-8.

The HW-9 uses the PSA-9 power supply. Unit has been modded so that the fuse can be \$40 replaced without opening the case.

\$40 takes it, and again , that includes shipping by priority mail.

Russ AB7JX
ab7jx@arrl.net

Date: Thu, 12 Sep 2002 00:09:59 -0500
From: "WB2TLQ" <WB2TLQ@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134789] Re: QRP v. QRO
Message-ID: <200209120009590400.07D74E90@smtp.isplite.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

Hey all:

I am relatively new to the the HF world (about a month now) but I do have= two observations about Sig reports. The first is that I would agree= fully with W2WU, but would go a step further. In an SSB report, it seems= to me that the only meaningful number (of the two given) is the first. If= the report is "5" that means (according the the ARRL Operators Manual)= that I can understand every word...perfect copy. Who cares what the S= meter reads? Perfect is perfect, right? And a "4" means that I can catch= the drift, but miss some words...etc. So to a large extent the second= number is either irrelevant, redundant or meaningless. On a quiet band= someone can be a "53" and on a noisy band a station can be "4 - 10dB over= 9" I have even had signals that were "50!" I could hear every word but= not one light on the S-meter came on...

My other observations are just as obvious. First people lie like a cheap= rug about reports. How many people give a "5" and then ask for 3 or 4= repeats of a call sign? Continues to confuse a newbie like myself :-)=

Also I have noticed that reports have become an end unto themselves. A= signal report should be a guide to further communication. A "5" means I= can talk like on the telephone (give or take); a "4" means I have to slow= down a bit, use phoenetics more carefully, etc.; A "3" means keep it up= only if it is pretty important, etc. But most folks are passing sig= reports as their only piece of information exchanged other than callsigns.=

OK I guess. And then there are the guys for whom a sig report sounds=

like some kind of day after locker room talk. I keep expecting a discussion of how many of milligrams of Viagra they feed through their antenna.

Sometimes it seems to me that the culture of ham radio could use a little work and useful honest signal reports would be a good place to start.

Maybe we should start by taking sig reports off QSL cards. Really a couple of months from now will you care that you were 55 vs. 59 with a special event station? Or your buddy in North Dakota? You talked, you swapped cards...'nuff said. Just my two cents worth anyway...

***** REPLY SEPARATOR *****

On 9/11/02 at 1:46 PM W2WU wrote:

>I wish more people supported QRP v. QRO. Few realize the minimal dB difference, but so many don't understand that dB is absolute & S-Meter readings are relative (unless in a standard). Who needs a S-Meter to give a

>signal report (SINPO) or RST anyway? W2WU

>----- Original Message -----

>From: Mike <mmorrow@companet.net>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Sent: 11 September, 2002 13:21

>Subject: Re: Next Generation QRP equipment development

>

>

>> Bruce Muscolino wrote:

>>

>> > I wonder why radios have to get smaller.

>>

>> Only one reason, IMO: To facilitate portable operation. Otherwise

>> small is bad.

>>

>> > And why is it necessary to radiate a microwatt signal?

>>

>> I've wondered the same thing. The one who really has to work in any QRP

>> contact is the fellow on the other end. I don't see what achievement

>> accrues to the QRP (or QRPP) sending station, other than a slight

>> reduction in congestion and noise on the band. (Not a bad concept, I'll

>> agree. I think it's a shame that power levels above 100 watts output

>> are legal anywhere.)

>>

>> So why use QRP? Only one reason, IMO: To facilitate portable

>> operation.

>>

>> If I could radiate a 100 watt signal for the same duration when portable

>> using equipment and energy sources no greater in burden of volume and
>> weight than it takes to use my K1 on five watts, then I'd use 100 watts.
>>
>> But that's impossible. For portable operations, small rigs and low
>> power are essential characteristics. That's 90 percent of the reason I
>> use five watts or less. The other ten percent of my reason involves the
>> generally higher Morse and technical skills found within the QRP
>> community, compared to average hamdom today.
>>
>> > Power reduction as a simple exercise has limited value in the world of
>> > real communications!
>>
>> Very true, IMO. Only a fool would use QRP for real world emergency
>> communications if higher power were available, especially if HF ham
>> bands were to be used for emergency communications.
>>
>> 73
>> Mike / KK5F

73
Bill, WB2TLQ
Wausau, WI

Date: Thu, 12 Sep 2002 02:36:25 -0400
From: "Jim" <ku4qw@yahoo.com>
To: <qrp-l@lehigh.edu>
Subject: [134790] Need (copy of) Yaesu FT-7 Manual
Message-ID: <000c01c25a26\$b7a9a280\$0100000a@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you have a scan of it pdf whatever that would be GREAT e-mail to me, if
not a copy, I would be glad to pay for copy/postage.

QRPlease

Thanks,
Jim - ku4qw

Date: Thu, 12 Sep 2002 02:58:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Bill ROWLETT <kc4atu@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134791] Re: Next Generation QRP equipment development
Message-ID: <3D803B27.A5AB01EC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well now, it is not only the American Ham that may run too much power. Saying that only shows your lack of perspective on the hobby as a whole!

While Americans are likely to run 1000 watts from time to time, most of Europe has a maximum power limit of 400 watts PEP, and they tend to run it consistently! Some countries, like Italy and the Baltic states can run a KW!

Running QRP is more a matter of a challenge, come upon later in life. I have run 5 watts since 1980 (mostly), with no apparent reduction in what I can and do work. But that does not tell the whole story. I spent 25 years before that gaining the skill to be a good operator. Many do not do this. They jump right in and often miss out on the fun of ham radio!

Right now I am running 100 watts. I have periodically had QRO rigs in my life. I don't think they are bad! They offer me the most capability for my hobby buck! How does the average QRP rig compare with all bands, all modes, in one box?

Interference used to be a big bugaboo. These days almost the entire country is wired for cable, and many use satellite TV. TVI is becoming a thing of the past. If you are getting into your own house when running 50 - 100 watts, you should examine your station set up!

Fun is also a much misused word. Sure it is fun to make a contact running 3 watts and a single band transceiver, but you also must realize you are giving up a lot of operating with that choice!

73

Date: Thu, 12 Sep 2002 02:03:46 -0500
From: Edgar R Guillot <n5ed@juno.com>

To: qrp-1@lehigh.edu
Subject: [134792] Re: Vacation time!
Message-ID: <20020912.020347.224.6.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"A good friend helps you move, but a really great friend will help you move a body!" From CAR TALK

Weber <kd1jv@moose.ncia.net> writes:
> I'm heading down to 4 land tomorrow, to help a friend move to GA.

N5Ed Guillot
near New Orleans
SOC #535

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 12 Sep 2002 04:40:46 EDT
From: NA1XX@aol.com
To: qrp-1@lehigh.edu
Subject: [134793] Origin of IAMBIC
Message-ID: <2b.2d046f93.2ab1ad0e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

"Iambic" ("iambos" in Greek) was first used to describe a type of rhythmical or metrical pattern used in ancient Greek poetry. That pattern consisted of a short vowel followed by a long vowel (or a dit followed by a dah, if you will.)

In English poetry, we see iambs in the work of Robert Frost, for example..."And miles to go before I sleep, and I have promises to keep." (di dah di dah di dah di dah, di dah di dah di dah di dah)

So an IAMBIC paddle is one that when the arms are squeezed together will automatically send the pattern di dah di dah di dah di dah and so on until the arms are released.

Mike, NA1XX

Date: Thu, 12 Sep 2002 05:50:54 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: <qrp-1@lehigh.edu>
Subject: [134794] WTB: S&S Engineering ARK-4
Message-ID: <OE37lzIXhGJPohZC46s000016b3@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for an S&S Engineering ARK-4 transceiver. Not the ARK-40, but the ARK-4 in the modem style case.

Have 30 and 40M MXM transceivers and 20 and 30M SSTs for possible trade, but outright purchase is OK.

If you have one in good shape that is surplus to your needs, please let me know.

Alan, N3BJ
Bent Mountain, VA

Date: Wed, 11 Sep 2002 21:59:34 -0400
From: "Jim Stamper" <jstamper@shentel.net>
To: <llachow@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134795] Re: Why, Indeed, use QRP? (was Yeah, but...)
Message-ID: <000001c25a46\$f6944d40\$cc546fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got into it originally to keep from interfering with my wife's TV viewing. Then it became fun--especially being able to home brew equipment I could use on the air.

jim-
KG4LDY

----- Original Message -----
From: "Lloyd Lachow" <llachow@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 11, 2002 4:19 PM
Subject: Why, Indeed, use QRP? (was Yeah, but...)

> Mike, you wrote:
>
> So why use QRP? Only one reason, IMO: To facilitate
> portable
> operation.
>
> Hows about this:
>
> For those of us who get a thrill out of "playing
> radio" (most, I suspect...), making a contact with the
> Maldives, South Africa, Rio, etc., etc., might just be
> more thrilling with 5W or less.
> Is it fun to contact DX, or to ragchew, using a KW
> and a multi-element array at 120'? I bet it is. But to
> do those things with a peanutwhistle, especially one
> you can build or modify yourself, adds to the thrill.
> For me. And for some others. IMO.
>
> =====
> 73, Lloyd, K3ESE
> K1 # 00379 - ARRL
> ARS #1301 - FISTS #8774
> FPqrp #476 - QRParci #11147
> QRP-L #2415 - SOC #530
> HGT #6'1 - Wgt #190 - BT #B-
>
> -----
> Yahoo! - We Remember
> 9-11: A tribute to the more than 3,000 lives lost
> <http://dir.remember.yahoo.com/tribute>
>

Date: Thu, 12 Sep 2002 06:43:15 -0400
From: Haines Brown <brownh@hartford-hwp.com>
To: aturner13@triad.rr.com
Cc: qrp-l@lehigh.edu
Subject: [134796] Re: Next Generation QRP equipment development
Message-ID: <200209121043.g8CAhFc06999@hartford-hwp.com>

Alex,> Date: Wed, 11 Sep 2002 18:34:38 -0400

> I really think that on this day of all days you owe an apology to
> Fundamentalists Baptists. To include a Christian group in with Islamic
> terrorists is very sad. This does not belong in the posts of this group. I

You should be aware that an Islamic fundamentalist and a
fundamentalist Islamic terrorist are not the same. Not all Moslem
fundamentalists are terrorists, obviously. Likewise, Jimmy Jones was a
Christian fundamentalist, but not all Christian fundamentalists favor
mass suicide.

So there was no affront in the original message, and in fact
fundamentalists from both great religions have many characteristics in
common. But your reply to it may in fact be offensive to
fundamentalist Moslems, for most distance themselves from
terrorism. Even the jihad does not necessarily imply terrorism, but
strickly speaking is merely a war of self-defense. The jihad does not
even necessariy imply the legitimacy of preemptive strikes.

--

Haines Brown
brownh@hartford-hwp.com
kb1grm@arrl.net
www.hartford-hwp.com

Date: Thu, 12 Sep 2002 06:50:26 -0400
From: Haines Brown <brownh@hartford-hwp.com>
To: k5di@zianet.com
Cc: qrp-l@lehigh.edu
Subject: [134797] Re: OT Firewall goodness
Message-ID: <200209121050.g8CAoQH07081@hartford-hwp.com>

> As all Linux users know you are encouraged to use a Firewall
> that protects you from hackers on the internet that if they can get
> into your computer, they will try and do real damage to it.

Just to emphasize what Karl is saying, my computer is continuously and
automatically probed. Here's an example from the wee hours this
morning:

Sep 12 03:19:00 hartford-hwp kernel: Packet log: input DENY ppp0
PROTO=6 211.209.61.105:3423 64.252.171.183:1433 L=48 S=0x00 I=23873
F=0x4000 T=107 SYN (#3)

Sep 12 03:19:06 hartford-hwp kernel: Packet log: input DENY ppp0

PROTO=6 211.209.61.105:3423 64.252.171.183:1433 L=48 S=0x00 I=24105
F=0x4000 T=107 SYN (#3)

Sep 12 04:15:57 hartford-hwp kernel: Packet log: input DENY ppp0
PROTO=6 62.217.114.97:4682 64.252.171.183:1433 L=48 S=0x00 I=10211
F=0x4000 T=104 SYN (#3)

--

Haines Brown
brownh@hartford-hwp.com
kb1grm@arrl.net
www.hartford-hwp.com

Date: Thu, 12 Sep 2002 07:00:06 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@lehigh.edu
Subject: [134798] CW - HF radio - RAnDomCodeS . . .Re: My apologies
Message-ID: <20020912.070731.-312649.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Brian and Group . . .

No apology needed here for . . .
one of the more interesting topics on THIS list (lately).

Google search the term 'codebreakers'
'bletchley' and names like 'kahn' and 'singh'
for some very interesting reading.

Ever wonder why we can still 'hear'
AND communicate with
deep space QRppppp probes like Pioneer?

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 12 Sep 2002 04:16:11 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [134799] next generation qrp equipment development
Message-ID: <20020912111611.96450.qmail@web14206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

In an effort to get this back on track, yes I helped to derail it, let me say that the progress in the software defined radios has made great gains. I am looking forward to the delivery of my new Argonaut V from TenTec. This is a rig which will be updated my downloading the enhancements from there web site, and with the proper software, total computer control will be possible.

The resent post which included the links to sites which had plans and software for rolling your own shows the direction we are going. Is it a good thing? Some say no, but for me, bring it on. These are the good times for radio.

I know, I have left things out, but the point is this. We need to embrace these changes and move forward to the future.

The Triton IV and the QRP Scout will always have a place of honor in the shack, but software defined is the future and for me, the way to go.

73 and always have fun, this is a hobby

Bill kc4atu

Do you Yahoo!?
Yahoo! News - Today's headlines
<http://news.yahoo.com>

Date: Thu, 12 Sep 2002 07:28:40 -0400
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: qrp-l@lehigh.edu
Cc: wa8mcq@comcast.net
Subject: [134800] HW-9 repairman needed
Message-ID: <003801c25a4f\$8b43fc80\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I received mail recently from someone who is not on QRP-L, asking about repair of an HW-8 and HW-9. I told him what he needed to do to fix the HW-8, which is a simple replacement of the output cores for both 40 and 80 meters. The HW-9 would require some hands-on time to troubleshoot and fix, and unfortunately I am not in a position to be able to work on one at present. If anyone here would be interested in helping him out, please contact him directly:

Ken Ketner, KA5ELD in Lubbock, TX
home: ketner@arisbeassociates.com
office: b9oky@ttacs.ttu.edu

Here's the symptom that he reported:

"I also have an HW-9 that works from cold, but after a short warmup its tx output drops considerably on most bands. Otherwise working good."

Thanks.

73 and queue our pea DE WA8MCQ

Date: Thu, 12 Sep 2002 07:35:34 -0400
From: ik7565@erols.com
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134801] keyer in Icom 706mk2g
Message-ID: <3D807C06.72C0DB05@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone know what kind of iambic keyer emulation the Icom 706mk2g uses? Logikey, Accukeyer, Curtis A? What about dot and dash memories? I'd

like to set up my CMOS-4 keyer the same way since I'm used to it but I'm not familiar with the differences in these emulations. Thanks!

73 de Ian
N8IK
FISTS #8232

Date: Thu, 12 Sep 2002 06:38:46 -0500
From: Mike <mmorrow@companet.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134802] Re: Next Generation QRP equipment development
Message-ID: <3D807CC6.5799@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wrote:

> So why use QRP? Only one reason, IMO: To facilitate portable
> operation.

Well, I should have thought a little more before posting the above statement. As others have pointed out to me, QRP contacts are great fun. I especially enjoy QRP-to-QRP contacts, and if the other station is portable, that's even more fun.

I should have left out the "only" in my statement.

73,
Mike / KK5F

Date: Thu, 12 Sep 2002 08:02:55 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "'kg4htt@juno.com'" <kg4htt@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134803] RE: FEEDING ANTENNA ARRAYS
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D307B3@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

There's a lot of good info in the ARRL Antenna book regarding arrays (at least vertical arrays). They are fed with equal currents, but fed out of phase.

Mark, AA4MF

-----Original Message-----

From: Victor Dively [mailto:kg4htt@juno.com]

Sent: Wednesday, September 11, 2002 1:30 AM

To: Low Power Amateur Radio Discussion

Subject: FEEDING ANTENNA ARRAYS

Loop antenna redux:

Well, I've installed the four loop antennas in the townhouse attic and have a "temporary" feedline arrangement set up... I've measured the resonant frequency and impedance of each of the loops individually, and the group fed as an array. The resonant frequency as an array is almost identical to the resonant frequency for the individual loops.

Three of the loops are within .04MHz at resonance; one is off by .4MHz - I suspect due to the fact that the furnace exhaust pipe passes within 6 inches of that loop... nothing I can do about that. Which has made me wonder... for an array to work (I think) that all antennas must be receiving equal amounts of current. But the current will likely flow largely to the path of least resistance... so how do you ensure that all antennas in an array are receiving equal amounts of current? I'm sure this same problem exists with vertical arrays... after all, how closely can any two (or four) antennas have identical impedance over a range of frequencies? Any information on this topic, or pointers to sources of information on this topic would be appreciated.

I've also submitted this question to the cq-contest reflector, as there are likely many testers with experience using antenna arrays...

Thanks and 73,

Vic KG4HTT

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 12 Sep 2002 08:09:52 -0400

From: W2AGN <w2agn@w2agn.net>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [134804] Re: Next Generation QRP equipment development
Message-ID: <3D804BD0.16142.2CA817A8@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 12 Sep 2002 at 6:38, Mike wrote:

> I wrote:
>
> > So why use QRP? Only one reason, IMO: To facilitate portable
> > operation.
>
> Well, I should have thought a little more before posting the above
> statement. As others have pointed out to me, QRP contacts are great
> fun. I especially enjoy QRP-to-QRP contacts, and if the other station
> is portable, that's even more fun.
>
> I should have left out the "only" in my statement.
>
> 73,
> Mike / KK5F

Good Grief yes, Mike. You might have prevented the "Holy War!" ;-)

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 29 Aug 2002 07:22:06 -0500
From: "dan wanchic" <wa8vzq@cloudnet.com>
To: <qrp-l@lehigh.edu>
Subject: [134805] Re: FEEDING ANTENNA ARRAYS
Message-ID: <006c01c24f56\$b7184cc0\$02f1ddcc@wa8vzq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Vic,

There is no rule that dictates that each array element needs to receive equal current amplitude in order to act as an array. AM broadcast arrays are not all equally fed in order to adjust the coverage area. These use discrete L & C circuit elements to control the amount of power delivered to each antenna.

I deal with power dividers somewhat routinely in my job. In ILS localizer arrays the amount of antenna current fed to each antenna is controlled in order to tailor the radiation pattern. A typical localizer array can have between 8 and 15 antennas and the RF energy comes from two different sources, so this is not a simple process. A similar method is used in glide slopes.

We use transmission line power dividers to adjust the amplitude and phase of current fed to the individual antennas. Keep in mind, that the relative phase of the antenna currents is more critical than the relative amplitude of the currents. Today this is done with stripline elements rather than individual coaxial cables. .

This is probably not the ideal method for amateur use. First, it is fairly complex. Second, because critical lengths of cable are involved it limits the usable bandwidth - it probably could be made useable for a single band but not over multiple bands. Third, not all power fed to these types of dividers is radiated, some is absorbed in dummy loads.

We use a similar method for VOR antenna systems except that at most sites we construct coaxial bridges to divide and distribute three power sources to four antennas (actually 8 cross coupled, bent dipoles acting as 4 antennas) In this method, none of the power is wasted, there are no dummy loads in the distribution system.

Power distribution using coaxial power dividers is not for the faint at heart or the weak at math ;-)) but at least now you know some methods that are used.

Regards,

Dan
St. Cloud, MN

-- -- -- -- -- WA8VZQ -- Since 1967 -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- ex-HFer @ ACA-15, WAR-46, KAL-24, KZ5VZ -- -- --

Date: Thu, 12 Sep 2002 14:43:49 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-1@lehigh.edu
Subject: [134806] Re: FEEDING ANTENNA ARRAYS
Message-ID: <5.1.1.6.1.20020912143923.00a2ad60@pop.gmx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Vic,

If you have access to John Devoldere's (ON4UN) "Low Band DXing", so you have an excellent source. All described arrays are for the frequency area 80m-160m, but also work on other frequencies.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de	http://www.t-online.de/~dk3red
DL-QRP-AG #824	http://www.dl-qrp-ag.de
QRP ARCI #11295	http://www.qrparci.org

Date: Thu, 12 Sep 2002 08:47:49 -0400
From: "ss lyon" <sslyon@megalink.net>

To: <kg4htt@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134807] Re: FEEDING ANTENNA ARRAYS
Message-ID: <011601c25a5a\$9a640d80\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Vic

I'd suggest reading the Handbook and Antenna Handbook on "power dividers" and the "1/4 wave transmission line", which, when properly implemented, "forces equal currents" to equal loads. In fact, I'll try to turn up the article on phased loops... but in the mean time, just know it's not a simple project, esp. since the antenna environment in close proximity is probably going to have unpredictable impact on whatever scheme you devise. Switchable, single loops at various headings may be the solution of choice.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Date: Thu, 12 Sep 2002 08:02:16 -0500
From: "Jeff Davis" <ke9v@att.net>
To: <kc4atu@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134808] Re: next generation qrp equipment development
Message-ID: <003101c25a5c\$9fc20960\$0dec540c@81PGN11DELL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

Did you ask anyone at TenTec if the CW in the new Argo is generated with DSP like the Pegasus and the Jupiter?

That is a baited question because if you did, they no doubt told you that there is "no issue" with the CW generation on the Peg and the Jup". My guess is the Orion will be in the same boat.

The 'fuzzy' CW doesn't bug me, but it is a tell-tale signature of these new "software defined radios" and for that reason, I sold my Peg and my Jupiter. When all this new technology finally catches up with the clean sounding signal of your Triton IV then I might agree with you that it is time to "embrace these changes and move forward".

But my wife taught me that just because the Tide soap box at Sam's Club is five times larger than the box at the grocery store, it isn't always cheaper. Likewise, just because a radio is "new" and "software defined" it isn't always better.

73 de Jeff

----- Original Message -----

From: "Bill ROWLETT" <kc4atu@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, September 12, 2002 6:16 AM

Subject: next generation qrp equipment development

> I know, I have left things out, but the point is this.
> We need to embrace these changes and move forward to
> the future.
>
> The Triton IV and the QRP Scout will always have a
> place of honor in the shack, but software defined is
> the future and for me, the way to go.

Date: Thu, 12 Sep 2002 09:32:39 -0400

From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [134809] K2

Message-ID: <6579C6377F475547985F0B3E426E16260204DDBE@OCCLUST01EVS1.ugd.att.com>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: quoted-printable

Hi

The other day someone said they wanted to sell their K2. Would they =
please contact me

at: chartwell@att.net or mehartwell@att.com =20

Thanks

Marty Hartwell kd8bj
AT&T Columbus Ohio
PH:614-501-2503

Date: Thu, 12 Sep 2002 07:53:12 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [134810] Re: keyer in Icom 706mk2g
Message-ID: <000901c25a63\$bd9b5110\$ac813389@NORTHROPJ6SJ50>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ian,

You can download the manual for the 706MK2G:

<http://www.icomamerica.com/support/documents/manuals/ic-706mkiig.pdf>

Maybe that'll tell you what you need to know.

73 de Dave NK0E

Ian wrote:

Anyone know what kind of iambic keyer emulation the Icom 706mk2g uses?
Logikey, Accukeyer, Curtis A? What about dot and dash memories? I'd
like to set up my CMOS-4 keyer the same way since I'm used to it but I'm
not familiar with the differences in these emulations. Thanks!

Date: Thu, 12 Sep 2002 10:16:30 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <sslyon@megalink.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [134811] RE: FEEDING ANTENNA ARRAYS
Message-ID: <001501c25a66\$fe639ba0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Seab and QRP-L listers. With respect to the present thread, here are a few observations from this QTH for whatever they're worth.

I've been running a pair of relay-switched phased verticals on 80-M and it took me quite a few years to get the phasing done to my liking. The antenna elements are now full quarter waves at a quarter-wave spacing. I originally started out with top-loaded physically short aluminum tubing verticals, but later extended them into the trees using wires (by the way, top-loaded short verticals work really well, almost as well as full-sized ones. Refer to W2FMI's [Jerry Sevick] articles for more info on this).

For my 80-M beam, I first started with simple coaxial cable delay lines, which doesn't account for the mutual coupling between the two elements. So, anything you see in the literature that shows this approach (using 90-degree sections of coax) is far from optimal. Check W7EL's (Roy Lewallen) classic article on why this is so, and how you can better approach the problem of feeding quarter-wave verticals using a 73-degree delay line for much improved (but not the best) performance.

I also built the steerable phasing box described in one of the ARRL Antenna Compendium books, but the values and construction parameters for the coils are mistakenly described in the publication, throwing me way off. I scrapped my effort there after a lot of work, later to discover why it wasn't satisfactory when I did some measurements on the inductors (wound as per the article with its errant info!) Oh well.

Anyway, later I shifted my feed approach to discrete phase shift networks, using simple L-network LC configurations. These networks worked much better than the coax delay lines, and were adjustable too, but they still overlooked and masked the mutual impedance problem. My beam's F/B ratio improved though. But, for me, the impedance calculations were a bear to deal with.

BTW, I use an old-fashioned General Radio Model 1606 impedance bridge, as well as a homebrew antenna resistance meter (straight out of the Handbook), to help me make measurements for plugging into the textbook mutual coupling formulae.

Today, thanks to suggestions by ON4UN himself (who I happened to QSO one day) I use a classic 4-port hybrid phase-shift network to feed the verticals. It's wound using glass-insulated #12 wire on a jumbo toroid and uses 10 kV TV-type doorknob caps (so it can handle a kW). One port is terminated in a 50-ohm non-inductive Ohmite resistor (the lower the power dissipated in it, the better the antenna is working). I now get 18 dB to 22 dB F/B ratio, depending on band conditions. The 50-ohm resistor runs cool,

even when high power is applied. Best of all, it's lotsa fun to switch back and forth! I use a DC relay for this purpose.

It's also VERY quiet compared to my dipole, a factor that permit me to hear (and therefore QSO!) Chuck, 3Y0C, on 75 meters one night.

If you fiddle with phased dipoles, verticals, loops, or hybrid combiners, a dual-trace oscilloscope can also be helpful, especially if you can rig antenna feedpoint sampling coils and equal lengths of coax to feed the scope's two channels.

These are just a few of my thoughts about phasing two-element antennas.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of ss lyon

Sent: Thursday, September 12, 2002 8:48 AM

To: Low Power Amateur Radio Discussion

Subject: Re: FEEDING ANTENNA ARRAYS

Hi Vic

I'd suggest reading the Handbook and Antenna Handbook on "power dividers" and the "1/4 wave transmission line", which, when properly implemented, "forces equal currents" to equal loads. In fact, I'll try to turn up the article on phased loops... but in the mean time, just know it's not a simple project, esp.

since the antenna environment in close proximity is probably going to have unpredictable impact on whatever scheme you devise. Switchable, single loops at

various headings may be the solution of choice.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Date: Thu, 12 Sep 2002 10:41:13 -0400

From: JLeroy@automationdirect.com
To: qrp-1@lehigh.edu
Subject: [134812] WTB - Rainbow Tuner
Message-ID: <CA45D4785D15D411B3B20060971D9571013E7C97@srv-mail01.automationdirect.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello All,

Anyone have a NJQRP Rainbow Tuner to sell? Kit or assembled.

73,

John W4JKL
w4jkl@arrl.net

Date: Thu, 12 Sep 2002 10:42:31 -0400
From: "David E. Shelton" <n4in@iolky.com>
To: <qrp-1@lehigh.edu>
Subject: [134813] FS: KSB2 SSB option complete and assembled
Message-ID: <KIEHKPJNKELIIBDFAAGIOENMCBAA.n4in@iolky.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have K2 SN:2120 and very rarely use the SSB of the rig. So I am selling it to who wants it for \$75 shipped, USPS Priority mail.

Thank you,
David Shelton, RN, BSN
SCC Adjunct Instructor
UofL FNP student
N4IN
david.shelton@louisville.edu

Date: Thu, 12 Sep 2002 10:48:35 -0400
From: "David E. Shelton" <n4in@iolky.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134814] RE: KSB2 SSB option complete and assembled

Message-ID: <KIEHKPJNKELIIBDFAAGIMENNCBAA.n4in@iolky.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I should have said that I am selling only the KSB2. Thanks
David, N4IN

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
David E. Shelton
Sent: Thursday, September 12, 2002 10:43 AM
To: Low Power Amateur Radio Discussion
Subject: FS: KSB2 SSB option complete and assembled

I have K2 SN:2120 and very rarely use the SSB of the rig. So I am selling it
to who wants it for \$75 shipped, USPS Priority mail.

Thank you,
David Shelton, RN, BSN
SCC Adjunct Instructor
UofL FNP student
N4IN
david.shelton@louisville.edu

Date: Thu, 12 Sep 2002 09:53:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@lehigh.edu>
Subject: [134815] 14.100 etc beacon system
Message-ID: <Pine.LNX.4.33.0209120950320.20658-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just realized that I haven't heard a peep out of this beacon system
on any of their freqs for weeks & weeks now...I assume it's still in
operation...anyone hearing them?...I'm listening to 14.100 at the
moment...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 12 Sep 2002 08:25:35 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>
Subject: [134816] Re: next generation qrp equipment development
Message-ID: <6506849CAEBBE24E913A22806016E4060150269F@blaze.bcsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

In the future , we will be known as "amateur computer operators" not
"amateur radio operators" because soon there will be no more "radio" in it.

Doug VA7DD

Date: Thu, 12 Sep 2002 09:58:58 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [134817] RE: FEEDING ANTENNA ARRAYS
Message-ID: <20020912.095900.-340805.2.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting thread and information. I have been running
phased multiband verticals 80-15 for almost 30 years,
starting when Paul Lee W3JHR(?) and later N6PL ran
his series on verticals in CQ. Later he combined that
series into his famous book Vertical Handbook. I used
the Ohm's Law power divider/phasing system described
in the chapters on phased arrays and it works very well,
either with verticals or dipoles. Never tried loops but there
is no reason it would not work with those as well. The network
is located in the shack and equal lengths of line come into the
phase system from the antennas and switching done in the
shack. Not sure if it was in Lee's book or one of the other
writings (many) about phased arrays in that those done with

coaxial delay lines will do a good job but are basically for a singular frequency for best performance. I found that to be the case as well. I used to use a pickup loop at the base of each vertical, rectified the voltage and read out on a 0-1 ma meter for each but at this location, with a 5 kw broadcast transmitter 100 yards distant, the readings from such are impossible. So tuning for the deepest null which for the most part reciprocates the forward direction is the way I tune now.
Thanks Vic, Seab, Dan, Alex and others for making an interesting discussion.

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC#3618, SOWP#1064M

SOC#78 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

Date: Thu, 12 Sep 2002 12:09:07 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <ai2q@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134818] Re: FEEDING ANTENNA ARRAYS
Message-ID: <001901c25a76\$b993b0e0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, Alex... you snapped me back to the late 70's when several of us worked for an entire CT winter trying along a similar path in search of 160m fame and glory. Singularly frustrating/disheartening. Beginning to get interested in top band again, so will pick up ON4UN's book. Does he (or others) explain the big difference between verts and horiz. arrays in this regard?

73

AA1MY

99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "AI2Q Alex" <ai2q@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, September 12, 2002 10:16 AM

Subject: RE: FEEDING ANTENNA ARRAYS

> Hi Seab and QRP-L listers. With respect to the present thread, here are a
> few observations from this QTH for whatever they're worth.

>

> I've been running a pair of relay-switched phased verticals on 80-M and it
> took me quite a few years to get the phasing done to my liking. The antenna
> elements are now full quarter waves at a quarter-wave spacing. I originally
> started out with top-loaded physically short aluminum tubing verticals, but
> later extended them into the trees using wires (by the way, top-loaded short
> verticals work really well, almost as well as full-sized ones. Refer to
> W2FMI's [Jerry Sevick] articles for more info on this).

>

Date: Thu, 12 Sep 2002 09:32:56 -0700

From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: <qrp-l@lehigh.edu>

Subject: [134819] Software Upgrades for Radios

Message-ID: <029c01c25a7a\$0f8cf080\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Did you guys know that TenTec offers FREE software upgrades for its radios?
You DON'T have to pay for the upgrade in firmware. I find that very
refreshing. Kudo's to the guys at TenTec. 72, Doug

Date: Thu, 12 Sep 2002 12:57:15 -0400

From: "Charles Mabbott" <aa8vs@msn.com>

To: NA1XX@aol.com, qrp-l@lehigh.edu

Subject: [134820] Re: Origin of IAMBIC

Message-ID: <F44h4SxXQJMQ7BvrP81000093ef@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Mike,

I have a question, when my paddles are squeezed and I happen to have the dit paddle lead [slightly] the dah paddle I get a sound just as you describe. But if the dah paddle is pushed slightly ahead of the dit paddle I get the dah dit dah dit... I heard what you said and now understand the origin of the term, but if the dah is pushed slightly ahead of the dit paddle I do not see how a 'true' iambic could exist. I am not saying it doesn't I just don't understand it. I just barely got mode A and B figured out.....

73 oo

Chuck AA8VS

>From: NA1XX@aol.com

>Reply-To: NA1XX@aol.com

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: Origin of IAMBIC

>Date: Thu, 12 Sep 2002 04:40:46 EDT

>

>"Iambic" ("iambos" in Greek) was first used to describe a type of

>rhythmical

>or metrical pattern used in ancient Greek poetry. That pattern consisted of

>a

>short vowel followed by a long vowel (or a dit followed by a dah, if you will.)

>In English poetry, we see iambs in the work of Robert Frost, for

>example..."And miles to go before I sleep, and I have promises to keep."

>(di

>dah di dah di dah di dah, di dah di dah di dah di dah)

>So an IAMBIC paddle is one that when the arms are squeezed together will

>automatically send the pattern di dah di dah di dah di dah and so on until

>the arms are released.

>

>

>73

>Mike, NA1XX

"If your not part of the solution,
there is good money to be made
prolonging the problem."

<http://68.43.100.7:81/aa8vs>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Thu, 12 Sep 2002 11:07:22 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Ratray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134821] Re: 14.100 etc beacon system
Message-ID: <Pine.LNX.4.44.0209121106120.2899-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bruce try both 17 and 15 meter beacons. 20 meters is not even close to the maximum usable frequency this week.

On Thu, 12 Sep 2002, Bruce Rattray wrote:

```
> I just realized that I haven't heard a peep out of this beacon system
> on any of their freqs for weeks & weeks now...I assume it's still in
> operation...anyone hearing them?...I'm listening to 14.100 at the
> moment...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>
>
```

--
72, Karl K5DI

```
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| _ _ _ | _ _ | | - | \ - | \ _ _ _ / / _ / \ \
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Date: Thu, 12 Sep 2002 11:13:51 -0600
From: "Rod N0RC" <rod@n0rc.us>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134822] Ten-Tec's new Argonaut V?
Message-ID: <003001c25a7f\$c4915340\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anybody received one yet? The specs look pretty good, I'm curious how it performs in the "real world". And, how is stacks up against other rigs in side by side comparisons.

73, Rod NØRC

Date: Thu, 12 Sep 2002 13:14:37 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134823] RE: 14.100 etc beacon system
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D307BB@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If any of you use the Red Horse callbook on CD, there's a really good beacon program on it. It has a map of the world and identifies the beacon that's active. Its neat to tune into, say, 14.1 and watch the beacons on the screen to see if you can pick them up. Of course, your computer clock has to be accurate.

BTW, I heard the this CD's last edition will be this Fall. Too bad, I think its the best.

Mark, AA4MF

-----Original Message-----
From: Karl F. Larsen [mailto:k5di@zianet.com]
Sent: Thursday, September 12, 2002 1:07 PM
To: Low Power Amateur Radio Discussion
Subject: Re: 14.100 etc beacon system

Bruce try both 17 and 15 meter beacons. 20 meters is not even close to

the maximum usable frequency this week.

On Thu, 12 Sep 2002, Bruce Rattray wrote:

```
>
> I just realized that I haven't heard a peep out of this beacon system
> on any of their freqs for weeks & weeks now...I assume it's still in
> operation...anyone hearing them?...I'm listening to 14.100 at the
> moment...
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> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
>           A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
>           - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
>           "QRP! How sweet it is!"          "I am da man wit "DAH" paddle!"
>
>
>
```

--

72, Karl K5DI

```
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Date: Thu, 12 Sep 2002 13:23:58 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134824] My first contact....well, sort of
Message-ID: <3D80CDAE.6055BC78@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I moved last week from an apartment to a brick house. Since I couldn't bare it any longer to be off the air for more than a week I put up my HF gear last night real quick.

I didn't have anything setup yet to get cables outside the house so I decided to put my magloop in the dining room. I used a 100 feet RG58 cable because that's all I could find (mental note: next time label boxes!) and I didn't feel like making a shorter cable. I figured that not much of my 5 Watt signal would make it outside the house with this setup, but tried anyway. I found 6J1UN working a nice pile up on 14.195 and worked him on the second call! Sure, not earth shattering DX, but a

nice contact nonetheless from a somewhat compromised situation.

My next project is putting up a stealthy inverted V in the backyard. Even though our new landlord gave us permission to put up outside antennas (got that added to the lease) I want to keep it stealthy so the neighbors don't get too nervous.

73,
--Alex (KR1ST)

<http://www.kr1st.com>

Date: Thu, 12 Sep 2002 10:36:43 -0700 (PDT)
From: Patrick Gardella <pgardella@yahoo.com>
To: rod@n0rc.us, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134825] Re: Ten-Tec's new Argonaut V?
Message-ID: <20020912173643.2601.qmail@web40202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Although the site says they are shipping in August, they aren't shipping yet. I've got one on order, and it was supposed to ship tomorrow.

According to Ten-Tec (as of a few seconds ago), "two to three more weeks". The radios are there.
The software is not quite right yet.

73,
Patrick
N3EO

--- Rod N0RC <rod@n0rc.us> wrote:
> Has anybody received one yet? The specs look pretty good, I'm curious
> how it performs in the "real world". And, how it stacks up against other
> rigs in side by side comparisons.
>
> 73, Rod N0RC
>
>
>

Do you Yahoo!?
Yahoo! News - Today's headlines
<http://news.yahoo.com>

Date: Thu, 12 Sep 2002 13:37:47 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134826] RE: Ten-Tec's new Argonaut V?
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D307BE@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

\$800. I think the FT-100Ds are running not much more than this (QRO capability/CW filter). FT-817s are less.

Argonaut doesn't have VHF/UHF.

How can Ten Tec compete?

Mark, AA4MF

-----Original Message-----
From: Rod N0RC [mailto:rod@n0rc.us]
Sent: Thursday, September 12, 2002 1:14 PM
To: Low Power Amateur Radio Discussion
Subject: Ten-Tec's new Argonaut V?

Has anybody received one yet? The specs look pretty good, I'm curious how it performs in the "real world". And, how is stacks up against other rigs in side by side comparisons.

73, Rod N0RC

Date: Thu, 12 Sep 2002 12:05:44 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <Mark.Fancher@ae.ge.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134827] Re: Ten-Tec's new Argonaut V?
Message-ID: <006301c25a87\$040115e0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Mark,

The rigs you mention are not SDRs, that is important to me. SDR, I believe, is the future of high performance radio technology.

As for HF/VHF/UHF in a single box, that doesn't interest me. I prefer a separate rig to cover 2m/440. (Actually I have only a 2m HT & mobile rig for PS work, other wise I just don't bother with VHF/UHF)

FT-817 vs Argonaut V--The ergonomics of the 817, because of it's size, are quite poor for my tastes. Wimpy max power 5W vs. 20W

FT-100 vs Argonaut V--power consumption 1.2-1.6 amps RX (Yaeasu) vs 0.95 amps RX (Ten-Tec). QRO is of little interest, I seldom run more the 20W, 5-10W (or less) the majority of the time.

I also like Ten-tec's direct interface for PSK-31 and other modes supported by computer sound- card software. No accessory boxes required.

73, Rod N0RC

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 12, 2002 11:37 AM
Subject: RE: Ten-Tec's new Argonaut V?

> \$800. I think the FT-100Ds are running not much more than this (QRO
> capability/CW filter). FT-817s are less.
>
> Argonaut doesn't have VHF/UHF.
>
> How can Ten Tec compete?
>

Date: Thu, 12 Sep 2002 11:13:54 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'Mark.Fancher@ae.ge.com'" <Mark.Fancher@ae.ge.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [134828] RE: Ten-Tec's new Argonaut V?
Message-ID: <BF889CEBEFD2D511B993009027F60ABE2517D5@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

In my latest AES flyer - IIRC - 100Ds were \$829 and 817s were \$629...

72

.mark

> -----Original Message-----
> From: Fancher, Mark (GEAE) [mailto:Mark.Fancher@ae.ge.com]
> Sent: Thursday, September 12, 2002 10:38 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Ten-Tec's new Argonaut V?
>
>
> \$800. I think the FT-100Ds are running not much more than this (QRO
> capability/CW filter). FT-817s are less.
>
> Argonaut doesn't have VHF/UHF.
>
> How can Ten Tec compete?
>
> Mark, AA4MF
>
> -----Original Message-----
> From: Rod N0RC [mailto:rod@n0rc.us]
> Sent: Thursday, September 12, 2002 1:14 PM
> To: Low Power Amateur Radio Discussion
> Subject: Ten-Tec's new Argonaut V?
>
>
> Has anybody received one yet? The specs look pretty good, I'm curious
> how
> it performs in the "real world". And, how is stacks up against other
> rigs in side by side comparisons.
>
> 73, Rod N0RC
>
>
>

Date: Thu, 12 Sep 2002 14:15:15 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134829] RE: Ten-Tec's new Argonaut V?
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D307C0@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I hope the Argonaut sells like hotcakes for Ten Tec. If the rest of the market values its characteristics as much as you do, maybe it will.

I'm curious about the sound card interface. Is there a computer cable hook up? I didn't see this discussed on the web page, but it did describe the audio in and out hook ups. How does the software key the radio with simple audio in and out? The way I have my rig set up, I use a Rigblaster. Digipan keys my rig through my computer COM port and the DB9 cable hooked up to the Rigblaster.

Mark, AA4MF

-----Original Message-----

From: Rod N0RC [mailto:rod@n0rc.us]
Sent: Thursday, September 12, 2002 2:06 PM
To: Mark.Fancher@ae.ge.com; Low Power Amateur Radio Discussion
Subject: Re: Ten-Tec's new Argonaut V?

Mark,

The rigs you mention are not SDRs, that is important to me. SDR, I believe, is the future of high performance radio technology.

As for HF/VHF/UHF in a single box, that doesn't interest me. I prefer a separate rig to cover 2m/440. (Actually I have only a 2m HT & mobile rig for PS work, other wise I just don't bother with VHF/UHF)

FT-817 vs Argonaut V--The ergonomics of the 817, because of it's size, are quite poor for my tastes. Wimpy max power 5W vs. 20W

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I also like Ten-tec's direct interface for PSK-31 and other modes supported by computer sound- card software. No accessory boxes required.

73, Rod N0RC

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 12, 2002 11:37 AM
Subject: RE: Ten-Tec's new Argonaut V?

> \$800. I think the FT-100Ds are running not much more than this (QRO
> capability/CW filter). FT-817s are less.
>
> Argonaut doesn't have VHF/UHF.
>
> How can Ten Tec compete?
>

Date: Thu, 12 Sep 2002 12:50:10 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <Mark.Fancher@ae.ge.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134830] Re: Ten-Tec's new Argonaut V?
Message-ID: <000d01c25a8d\$392c7a60\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark,

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 12, 2002 12:15 PM
Subject: RE: Ten-Tec's new Argonaut V?

> I'm curious about the sound card interface. Is there a computer cable
hook up?

All that I know is this from the web page:

"This little rig is a PSK31 dream. No accessory boxes necessary. Simply
connect appropriate audio cables from the audio in and audio out jacks
to your PC sound card and you're on the air."

> How does the software key the radio with simple audio in and

In the absence of more information, I'm assuming VOX control, for now.

> out? The way I have my rig set up, I use a Rigblaster. DigiPan keys my rig

> through my computer COM port and the DB9 cable hooked up to the Rigblaster.

YUK! ;-)) I use the simple cable described in the DigiPan help-file for audio in/out. For T/R switching I use VOX, works great. I started using VOX with my Icom 746pro, I liked it so much I added a VOX circuit to my PSK-20.

73, Rod N0RC

Date: Thu, 12 Sep 2002 14:52:20 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134831] Re: Ten-Tec's new Argonaut V?
Message-ID: <3D80E264.1EBB271A@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Ten-Tec advertises this radio as an IF-DSP radio. Does this mean that the DSP starts at the 1st IF of 45 MHz, the second IF at 450 kHz or the 3rd IF at 14.5 kHz. If the DSP starts at the third IF then I'd call it almost audio level DSP I think.

73,
--Alex (KR1ST)

<http://www.kr1st.com>

Date: Thu, 12 Sep 2002 13:51:48 -0500
From: "dan wanchic" <wa8vzq@cloudnet.com>
To: <qrp-l@lehigh.edu>
Subject: [134832] Re: FEEDING ANTENNA ARRAYS - parting comments
Message-ID: <009201c25a8d\$90431840\$05f1ddcc@wa8vzq>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just wanted to add my dittos to Alex's comments about mutual coupling between the antennas... having spent more than a few weeks aligning some antenna arrays, when the antennas start talking to each other - the pattern can go south quickly all kinds of unwanted nulls and peaks occur that are not accounted for in your calculations... believe me, I've seen it happen more than once & have measured the effect.

Regarding LC delay networks vs coaxial delay lines - From a practical, amateur radio perspective I agree whole heartedly but from a professional and theoretical perspective I have to disagree.

Let me explain.

LC networks are definitely much easier to adjust, no doubt about that BUT they would never be stable enough for use in a precisely aligned system i.e; one with 24/7 alignment in one given direction with a highly repeatable pattern.

In hot/cold conditions, LC circuits are more prone to changes in value and therefore changes in phase shift occur - as we all know, the inductors especially will dissipate some power and that heat will cause a change in the inductance. Dittos for the capacitors, they also change values for the same reasons. Of course, you can always retune as necessary.

Coaxial lines on the other hand are much, much more temperature stable.

Consider this - 360 degrees @ 3.7 MHz is about 266 feet in free space. In a coaxial cable with a velocity factor of 7/10 it is about 186 feet. One electrical degree within that coax is about 6 inches - that's how much the length of the coax would need to change for a 1 degree phase shift from initial.

Of course, the temp will slightly affect the diameter of the coax etc & that does enter into the equation but together these factors are not nearly as significant as those affecting an LC network. But from a practical perspective, you need at least a 5 degree misphase between any two antennas to start noticing a significant change in array performance.

But then again, we have to be practical - this is too exacting even for me to think about for my ham antenna ;-)) They are definitely a little more difficult to cut - it takes a little finesse but all that you need is an antenna analyzer and you can cut a line to any length in short order - then again, you are somewhat limited in bandwidth because you can not readjust the length - obviously not real practical.

A tip I would like to pass along - if you are making any type of array, but especially at VHF/UHF - buy all new coax and make sure that it is cut from the same spool. The same type coax from the same manufacturer but from different spools will not play the same - believe me - different spool, different phase shift guaranteed. Also if you've noticed, coax impedances are spec'd as nominal - a typical 50 ohm line is 50 +/-2 ohms. So you can easily have as much as a 4 ohm difference in Z_0 from the same type coax from the same manufacturer.

Having spent a lot of time cutting coax using a vector voltmeter - when you start cutting multiple pieces that have to match within 1/10 of a degree @ 110 MHz (making slight adjustments by using an exacto knife to literally shave off a small sliver of insulation from the line), you start to learn a whole lot about quality of coax ;-)).

As a matter of fact - cut a section of coax, put connectors on both ends and measure the electrical length from one end then turn it around and measure it again from the other end - sometimes you'll see it's different - (this is especially true with lower grade coax) Why does it do that, shouldn't the phase delay be the same both ways? Theoretically, yes but from the ones I've seen, the center conductor isn't in the center 100% along the length.

Now what do you do? Mark the whole spool "comm only" and then you go out and get a different new spool and start all over cause that isn't going to cut it ;-0

Also buy the best quality connectors that you can afford - if you are doing VHF/UHF arrays, don't use PL-259's & don't believe the "I've measured them on a network analyzer and their good to 4 GHz stuff" because they aren't - they may measure just fine but what do they do at 10 below zero or after they've aged a little or have baked at 120 degrees? But they are just fine for general purpose comm at those freq's - repeaters, mobiles etc but if you are trying to keep everything in precise alignment then you need a good temperature stable, constant impedance connector like a type N.

Regards

Dan

Date: Thu, 12 Sep 2002 13:24:23 -0600
From: "Jerry McCollom W0MC" <w0mc@radioactivehams.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134833] Re: 14.100 etc beacon system
Message-ID: <003401c25a92\$02b77de0\$6c8c19c0@fcjmc67481>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Luckily, I think Bruce probably knows that a) 17m and 15m are higher frequencies than 20m, and b) MUF varies throughout the day rather than weekly. :-)

The NCDXF page shows there have been recent spots of the beacon stations (<http://www.ncdxf.org/beacon/beaconSchedule.htm>), so they are functional.

I'll have to give a listen myself tonight....

73,
Jerry
W0MC

> Bruce try both 17 and 15 meter beacons. 20 meters is not even close to
> the maximum usable frequency this week.
>
> On Thu, 12 Sep 2002, Bruce Rattray wrote:
>
> >
> > I just realized that I haven't heard a peep out of this beacon system

first IF and use traditional demodulation methods later on, but that seems like such a waste of DSP talent.

Besides, DSP hardware for 45 MHz is fiendishly expensive, 450 kHz less so, but the A/D and DSP parts for consumer audio can handle 14.5 kHz quite nicely. And being manufactured in consumer audio quantities, they're quite inexpensive.

Dave

I'd rather be thought ignorant than stupid. Ignorance is curable.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 12 Sep 2002 15:32:38 -0400
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <Mark.Fancher@ae.ge.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134835] Re: Ten-Tec's new Argonaut V?
Message-ID: <001c01c25a93\$28d5fc80\$6274fea9@winston>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If it works like the Jupiter, there's a menu selection for audio source. You change it from mic to line. Then you hit the VOX switch to turn vox on. The vox keys the transmitter when a signal comes over the audio line.
73, Winston K4CWQ

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, September 12, 2002 14:15 PM
Subject: RE: Ten-Tec's new Argonaut V?

> I hope the Argonaut sells like hotcakes for Ten Tec. If the rest of the market
> values its characteristics as much as you do, maybe it will.
>
> I'm curious about the sound card interface. Is there a computer cable

hook up?

> I didn't see this discussed on the web page, but it did describe the audio in

> and out hook ups. How does the software key the radio with simple audio in and

> out? The way I have my rig set up, I use a Rigblaster. Digipan keys my rig

> through my computer COM port and the DB9 cable hooked up to the Rigblaster.

>

> Mark, AA4MF

>

> -----Original Message-----

> From: Rod N0RC [mailto:rod@n0rc.us]

> Sent: Thursday, September 12, 2002 2:06 PM

> To: Mark.Fancher@ae.ge.com; Low Power Amateur Radio Discussion

> Subject: Re: Ten-Tec's new Argonaut V?

>

>

> Mark,

>

> The rigs you mention are not SDRs, that is important to me. SDR, I believe, is the future of high performance radio technology.

>

> As for HF/VHF/UHF in a single box, that doesn't interest me. I prefer a separate rig to cover 2m/440. (Actually I have only a 2m HT & mobile rig for PS work, other wise I just don't bother with VHF/UHF)

>

> FT-817 vs Argonaut V--The ergonomics of the 817, because of it's size, are quite poor for my tastes. Wimpy max power 5W vs. 20W

>

> FT-100 vs Argonaut V--power consumption 1.2-1.6 amps RX (Yesu) vs 0.95 amps RX (Ten-Tec). QRO is of little interest, I seldom run more the 20W, 5-10W (or less) the majority of the time.

>

> I also like Ten-tec's direct interface for PSK-31 and other modes supported by computer sound- card software. No accessory boxes required.

>

>

> 73, Rod N0RC

>

> ----- Original Message -----

> From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, September 12, 2002 11:37 AM

> Subject: RE: Ten-Tec's new Argonaut V?

>

>

> > \$800. I think the FT-100Ds are running not much more than this (QRO
> > capability/CW filter). FT-817s are less.
> >
> > Argonaut doesn't have VHF/UHF.
> >
> > How can Ten Tec compete?
> >
>
>

Date: Thu, 12 Sep 2002 15:42:41 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134836] OT: ARRL Polls
Message-ID: <3D80EE31.1540F67@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Can we conclude from:

<http://www.arrl.org:80/survey.php3?pollnr=125>

that only 32.8% of all hams are honest? ;-)

Perhaps they could do a poll on "Have you ever considered to retire
early just so you can stay home and operate?"

73,
--Alex

<http://www.kr1st.com>

Date: Thu, 12 Sep 2002 15:55:37 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [134837] Re: Ten-Tec's new Argonaut V?
Message-ID: <5.1.0.14.1.20020912155156.00a76470@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:47 PM 9/12/2002 -0400, you wrote:

>That makes perfect sense. Thanks for the explanation! Hopefully that

>puts me in the "ignorant" category and not in the other one. :)

Alex,

Oh, you mean my .sig! Sorry, that's wasn't aimed at anyone particular, least of all someone with a legitimate question like yours. That's just something that one of my many bosses over the years told me, and it stuck.

Dave

P.S. This same boss also said "Remember when a can of whipped cream and a motel room for the weekend solved all your problems?" D.

I'd rather be thought ignorant than stupid. Ignorance is curable.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 12 Sep 2002 15:58:25 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [134838] Re: OT: ARRL Polls
Message-ID: <5.1.0.14.1.20020912155645.00a694c0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Alex,

Didn't they just use that question on Family Feud a couple of weeks ago? Right after "have you ever put up an antenna even though your deed has a restriction against it?"

Dave

P.S. Just don't ask me about my cat, because I don't have one. (Grin) D.

At 03:42 PM 9/12/2002 -0400, you wrote:

>Can we conclude from:

>

><http://www.arrl.org:80/survey.php3?pollnr=125>

>
>that only 32.8% of all hams are honest? ;-)
>
>Perhaps they could do a poll on "Have you ever considered to retire
>early just so you can stay home and operate?"
>
>73,
>--Alex
>
><http://www.kr1st.com>

I'd rather be thought ignorant than stupid. Ignorance is curable.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 12 Sep 2002 13:58:51 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [134839] Re: FEEDING ANTENNA ARRAYS - parting comments
Message-ID: <20020912.135853.-682605.4.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No disagreement with your comments Dan. For a single frequency with a high degree of resetability, the best performance is with the switched coax, divider system such as used in the multi-tower broadcast systems. And all of those phasers - the ones I have worked with - are located in the temp controlled transmitter building so little change there. And in the LC system I mentioned, it too is temperature controlled - in the shack so little change til a frequency or band change occurs. I used the patterns from Jasik's Antenna Engineering to set the spacing on my verticals, deciding away from the normal 1/4 wave spacing in lieu of other spacings, with the phasing making up the directivity and null patterns. And it appears that deep nulls occur at the 3/16, 3/8 and 1/2 wave spacings respectively for 40, 30 and 20. A gain pattern on 80 but little deep nulls as the spacing is far too close, and on the bands above 20, too many spacing and phasing factors I don't fully understand except it appears to be a pattern with several fingers of directivity and

nulls in between.

Interesting things to play with, and I find I spend more time shifting direction, looking for the best nulls, with little operating.

73

Ray

Date: Thu, 12 Sep 2002 15:41:29 +0000
From: ve3ab@mail.mondenet.com
To: qrp-1@lehigh.edu
Subject: [134840] QRP+_QRP++ eprom project update
Message-ID: <200209121944.g8CJioo00936@mail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Things are slowly going forward with the project. Parts are a little scarce..but they are coming. I have 6 brand new EPROMS all programmed up ready to go..and Ive received 3 letters in the mail yesterday.

Im going to package these up tomorrow and mail them out to the 3 early birds. One of these early birds has graciously volunteered to remove his QRP++ coded eprom and send it to me when he receives his newly programmed EPROM and this will probably become the MASTER PROM..with the MASTER CODE..but first ill have to test it in my rig to see that all is well with it. (note my rig is only a QRP+).
>So..patience is a virtue. I think the new 5 mhz band is a few moons away yet...so if the group will be patient and wait until the NEWER CODED is checked out by me in my rig..then we can all benefit from better software. NOTE: if someone doesnt want to wait and wants the chip right away..then email me and I can rush the order off with the simpler QRP+ code(which has the freq unlock option patch done).
One good thing about these PROMs..they can always be erased and reprogrammed anyways. Only takes about 20 to 25 mins to erase them.
73 Earl VE3AB

Date: Thu, 12 Sep 2002 15:54:07 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134841] Re: 14.100 etc beacon system
Message-ID: <3D80B89F.16743.2E50DAED@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Content-description: Mail message body

On 12 Sep 2002 at 13:24, Jerry McCollom W0MC wrote:

Luckily, I think Bruce probably knows that a) 17m and 15m are higher frequencies than 20m, and b) MUF varies throughout the day rather than weekly. :-)

The NCDXF page shows there have been recent spots of the beacon stations (<http://www.ncdxf.org/beacon/beaconSchedule.htm>), so they are functional.

I'll have to give a listen myself tonight....

73,
Jerry
W0MC

On 15M, here on the East Coast CS3B and YV5B are in there. On 17M, those 2 as well as ZS6DN and 5Z4B are coming in. CS3B is very strong on both bands, I can hear the lowest power.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 12 Sep 2002 13:29:11 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [134842] New QRP Test Equipment and Construction Book
Message-ID: <02f201c25a9b\$1040ad20\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I have spent the past several days proof reading the galleys for the new book on QRP Test Equipment and Construction Techniques book that will be published this fall by Graham Firth and Tony Fishpool. It is a delightful read, and will be available from me at Pacifcon. I will let the list know when I will be accepting orders, but it is a marvelous work, 60 pages, bound via comb binding, and has the following projects in it:

1. Simple Signal Generator
2. Current Limiting Power Supply
3. Spectrum Wavemeter
4. Marker Generator
5. Noise Generator
6. Noise Bridge
7. Resistive SWR Bridge
8. Audio Amplifier
9. R.F. Probe
10. A.F. Probe
11. Switched Attenuator
12. C.W. Monitor
13. Dummy Load
14. Field Strength Meter
15. Gate Dip Oscillator - No Parts Provided
16. Improved Noise Generator
17. Sweep Oscillator
18. Crystal Tester

Plus a marvelous chapter on construction techniques. If you have ever heard these two gentlemen speak at a QRP forum and wished that you had a copy of the schematics and plans for the test equipment that they were talking about, now you can. And guess what? The price is only \$10 for the book plus \$2 s&h for the US and Canada. The timing is perfect, as the winter building season is approaching, and this one book will keep you entertained for hours and provides a whole array of very useful test equipment, and it won't break the bank to buy the parts!! Looks like about the first of Oct on accepting orders. I'll let you know. 72, Doug

Date: Thu, 12 Sep 2002 15:36:09 -0700
From: "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>
To: <qrp-1@lehigh.edu>
Subject: [134843] Flagpole antenna?
Message-ID: <NFBBKGFDFGLNKCKOKBBOCAEGJCPAA.n0bs@msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I see Sam's Club is selling a 20' tall flagpole with flag for about \$79. It has a neat "no holes" mount so you can mount it on an elevated deck and put radials under the deck. The elevated mount would improve the feedpoint impedance.

Has anyone made a vertical out of one of these?
Might be a good stealth antenna with a matching
network mounted under the deck, or may work with
just a tuner. 3 of them in a triangle and phased
would be great in CC&R situations to get some directivity.
I also see Force 12 makes a commercial flagpole antenna.
Has anyone had any experience with it?
Tom N0BS

Date: Thu, 12 Sep 2002 14:12:58 -0700 (PDT)
From: Dennis Doran <wb8wtu@yahoo.com>
To: qrp-l@lehigh.edu, wb8wtu@yahoo.com
Subject: [134844] OT: DSP discussion - Civil discourse.
Message-ID: <20020912211258.89552.qmail@web40111.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Gentlemen,

The topic of DSP has come up of late, and the Ten Tec
rigs have generated much interest. My question
pertains to DSP BANDWIDTH, as opposed to noise
reduction or notch filtering.

For those like me, with limited DSP experience,
I would like to ask those with DSP rigs, to weigh
in on the following issues:

1. - I.F. DSP owners: How does the I.F. DSP
stack-up against AF DSP ? Smoother ? Grainy?
Which do you prefer. Is it a marked improvement
over crystal filters ? (not all crystal filters
are created equal !) Likes, dislikes ?
2. - AF DSP owners: How does the AF DSP stack-up
against crystal filters ? Again, better? worse?
any big difference?
3. - AF and I.F. DSP owners - How are the skirts on
each ? Too wide? Too narrow ? Advantages?
Disadvantages ?

Since I am asking, I'll dive in first. I saved my
pennies and bought a FT-100D - mainly for the size,
but it came with 500 Hz crystal filter and AF DSP -

audio peaking in CW mode. I've had no experience with DSP, but found I really liked the flexibility of narrowing the bandpass down to 80 Hz if needed. I listened to a friend's TS-570S, also AF DSP, but with more bandwidth selections, and found it worked quite well. They say the crystal CW filter sets the skirt bandwidth, but I could not tell the difference with the crystal filter in or out - the DSP sounded fine. So....why buy an extra crystal filter at all? Now....with 455 I.F. crystal filters going for a very steep price, are they even needed ? And if AF DSP works this well, are I.F. DSP rigs even better ?

Having said all of that, I have to also add that the ABX (variable crystal filter) on my old Sierra, seems to work almost as well as AF DSP. Confusion reigns!

Is this DSP technology worth the extra cost ? Is it more cost effective than crystal filters ? Is my "lust" for an I.F. DSP rig reasonable, or should I close the AES center-fold, and remain faithful to the rig I loved ?

This isn't world politics, guys....I'm just looking for some general opinions pros and cons - either off list or on. I'm sure there are others on this list, who like me, are interested to hear what you have to say. Thanks in advance.

73,
dennis
WB8WTU

Do you Yahoo!?
Yahoo! News - Today's headlines
<http://news.yahoo.com>

Date: Thu, 12 Sep 2002 15:37:44 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.us>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134845] Re: Ten-Tec's new Argonaut V?
Message-ID: <Pine.LNX.4.44.0209121530290.3853-100000@bucket.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

What is an SDR? Does my TS-50 have it? Can my FT-817 catch it from my TS-50?

The 2 meter SSB and FM are very interesting to me and I use it. Even use CW on 2 meter long path. And 6 meters is jumping today! I got clear to the east coast!

Now for the deep things. The FT-817 even with the optional 500 Hz filter is less expensive than the new Ten-Tec. And anyone who has heard a 817 on 2 meters FM direct comment on the good audio quality. I know because I'm net control during foot races here.

On Thu, 12 Sep 2002, Rod N0RC wrote:

> Mark,
>
> The rigs you mention are not SDRs, that is important to me. SDR, I
> believe, is the future of high performance radio technology.
>
> As for HF/VHF/UHF in a single box, that doesn't interest me. I prefer a
> separate rig to cover 2m/440. (Actually I have only a 2m HT & mobile rig
> for PS work, other wise I just don't bother with VHF/UHF)
>
> FT-817 vs Argonaut V--The ergonomics of the 817, because of it's size,
> are quite poor for my tastes. Wimpy max power 5W vs. 20W
>
> FT-100 vs Argonaut V--power consumption 1.2-1.6 amps RX (Yeadu) vs 0.95
> amps RX (Ten-Tec). QRO is of little interest, I seldom run more the 20W,
> 5-10W (or less) the majority of the time.
>
> I also like Ten-tec's direct interface for PSK-31 and other modes
> supported by computer sound- card software. No accessory boxes required.
>
>
> 73, Rod N0RC
>
> ----- Original Message -----
> From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Thursday, September 12, 2002 11:37 AM
> Subject: RE: Ten-Tec's new Argonaut V?
>

> over crystal filters ? (not all crystal filters
> are created equal !) Likes, dislikes ?

I owned a Kenwood TS-570 for a while, good rig. I found the AF DSP allowed strong nearby station to pump the AGC (you could see the S-meter pulsing up and down). I now have an Icom 746pro, IF DSP, I almost never experience AGC pumping. Only very strong, very close stations cause noticable interference. Sorry I don't have quatitative data. I find, in general, the 746pro, to be on par with other XTAL filter rigs in it class.

What I like best is the number of BW selections available, I can tweak the rig to suit operating conditions.

```
> fine. So....why buy an extra crystal filter at all?
> Now....with 455 I.F. crystal filters going for a
> very steep price, are they even needed ? And if AF DSP
> works this well, are I.F. DSP rigs even better ?
>
```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

I think so, see above.

```
> Having said all of that, I have to also add that the
> ABX (variable crystal filter) on my old Sierra, seems
> to work almost as well as AF DSP. Confusion reigns!
>
```

Shape factor and passband ripple are superior in a DSP rig like the 746pro/570 compared to an ABX circuit.

> Is this DSP technology worth the extra cost ? Is it
> more cost effective than crystal filters ? Is my

In a word yes. Most DSP rigs offer 30-40 filter settings. How much would that many XTAL filters cost?

73, Rod N0RC

Date: Thu, 12 Sep 2002 16:45:27 -0500
From: "Jeff Mitchell" <jeffmit@datastratinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134847] Re: DSP discussion - Civil discourse.
Message-ID: <000b01c25aa5\$b6130a40\$6501a8c0@datastratinc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, this is just personal preference on my part...but...I played with AF DSP namely the Timewave 599...it was a help on very weak signals when there were no strong signals on nearby frequencies, like working weak tropo or forward scatter on 6 or 2 meters ssb/cw. It was very little help to me when the situation was that I several strong (s9 + 20) nearby stations and I was trying to sift out a weak signal in between.

As far as IF DSP goes I am still trying to make a decision, right now my personal preference is cascaded crystal filters in multiple IF's , although that setup may fail to come out ahead when you do a cost/benefit analysis (...and I may be jaded against IF DSP by my current investment level in Inrad filters)...FWIW...I am particularly fond of the crystal lattice filter in the SGC-2020...

Jeff, N4YQ
----- Original Message -----
From: "Dennis Doran" <wb8wtu@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 12, 2002 4:12 PM
Subject: OT: DSP discussion - Civil discourse.

> Gentlemen,
>
> The topic of DSP has come up of late, and the Ten Tec
> rigs have generated much interest. My question
> pertains to DSP BANDWIDTH, as opposed to noise
> reduction or notch filtering.
>
> For those like me, with limited DSP experience,
> I would like to ask those with DSP rigs, to weigh
> in on the following issues:
>
> 1. - I.F. DSP owners: How does the I.F. DSP
> stack-up against AF DSP ? Smoother ? Grainy?
> Which do you prefer. Is it a marked improvement
> over crystal filters ? (not all crystal filters
> are created equal !) Likes, dislikes ?

>
> 2. - AF DSP owners: How does the AF DSP stack-up
> against crystal filters ? Again, better? worse?
> any big difference?
>
> 3. - AF and I.F. DSP owners - How are the skirts on
> each ? Too wide? Too narrow ? Advantages?
> Disadvantages ?
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> pennies and bought a FT-100D - mainly for the size,
> but it came with 500 Hz crystal filter and AF DSP -
> audio peaking in CW mode. I've had no experience
> with DSP, but found I really liked the flexibility
> of narrowing the bandpass down to 80 Hz if needed.
> I listened to a friend's TS-570S, also AF DSP, but
> with more bandwidth selections, and found it worked
> quite well. They say the crystal CW filter sets the
> skirt bandwidth, but I could not tell the difference
> with the crystal filter in or out - the DSP sounded
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>
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> ABX (variable crystal filter) on my old Sierra, seems
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>
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> more cost effective than crystal filters ? Is my
> "lust" for an I.F. DSP rig reasonable, or should I
> close the AES center-fold, and remain faithful to
> the rig I loved ?
>
> This isn't world politics, guys....I'm just looking
> for some general opinions pros and cons - either off
> list or on. I'm sure there are others on this list,
> who like me, are interested to hear what you have to
> say. Thanks in advance.
>
> 73,
> dennis
> WB8WTU
>
>
> -----
> Do you Yahoo!?

> Yahoo! News - Today's headlines
> <http://news.yahoo.com>
>

Date: Thu, 12 Sep 2002 17:47:32 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134848] Re: Ten-Tec's new Argonaut V?
Message-ID: <3D80D334.2486.2EB89E21@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 12 Sep 2002 at 15:37, Karl F. Larsen wrote:

>
> What is an SDR? Does my TS-50 have it? Can my FT-817 catch it from my
> TS-50?
>
> The 2 meter SSB and FM are very interesting to me and I use it. Even use
> CW on 2 meter long path. And 6 meters is jumping today! I got clear to
> the east coast!
>
> Now for the deep things. The FT-817 even with the optional 500 Hz filter
> is less expensive than the new Ten-Tec. And anyone who has heard a 817
> on 2 meters FM direct comment on the good audio quality. I know because
> I'm net control during foot races here.
>

OK, now you guys have gotta admit, even the ones that think I'm a total jerk, is it not ridiculous to have a "my rig can lick your rig," before one of the rigs is even released!

I do have to admit I am curious though...what foot races? I picture a bunch of over-the-hill 6'4" 250 pound ex-football players, with FT-817s strapped to them, running through the desert.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W) (2) (A) (G) (N) <http://www.w2agn.net>

_/ _/ _/ _/ _/ QRP/ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 12 Sep 2002 18:14:26 EDT
From: N4SKS@cs.com
To: qrp-1@lehigh.edu
Subject: [134849] Wanted to buy...Knob
Message-ID: <80.2167f1ca.2ab26bc2@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am in need of a nice heavy main tuning knob . Needs to be 1 1/2 (one and one half) inches in diameter. Will pay for knob plus shipping . Prefer black in color.

Thank You

Les K4NK

Date: Thu, 12 Sep 2002 18:48:11 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@lehigh.edu>
Subject: [134850] HF Pin Diodes aka Current Resistors
Message-ID: <013a01c25aae\$79fdf110\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I'm looking for a substitute for the 1N5767 PIN Diode.
I use this diode to switch very low level HF RF signals
as well as switching moderate level signals at +10 dBm.
It must have a LOW OFF MODE capacitance < 0.5pF at 0V
And it must not distort signals in the +10 dBm class.

I think I _"might"_ have found a substitute, the MPN3700,
but I can't find a spec sheet on it to verify.

Any help out there?

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400

<http://kitsandparts.com>

End of QRP-L Digest 2676

